



## BIOLOGY

### BOOKS - S DINESH & CO BIOLOGY (HINGLISH)

### ENVIRONMENTAL ISSUES

MCQ

1. The population which are already present in nature, but are released in substantial amounts by man are known as

- A. Quantitative pollutants
- B. Qualitative pollutants
- C. Degradable pollutants
- D. Primary pollutants

**Answer: A**



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2. The biological amplification of DDT in the various trophic levels is known as

- A. Green house effect



B. biomagnification

C. Eutrophication

D. Pollution.

**Answer: B**



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**3. Smog is produced due to**

A. Air and metal dust

B. Water and nitrogen oxide

C. Smoke and fog

D. None of the above

**Answer: C**



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**4.** The photochemical smog is formed by

A. Nitrogen oxides

B. Hydrocarbons

C. Nitrogen oxides and hydrocarbons

D. Solar radiations upon nitrogen oxides and hydrocarbons.

**Answer: D**



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5. In troposphere,  $O_3$  promotes

- A. Oxidation of biochemicals
- B. Destruction of chlorenchyma
- C. Both A and B
- D. Growth of plants

**Answer: C**



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6. In metropolitan cities, the automobiles causes air pollution

A. 0.8

B. 0.6

C. 0.5

D. 1

**Answer: A**



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7. Bhopal gas tragedy was due to

- A. Air pollution
- B. soil pollution
- C. water pollution
- D. none of the above

**Answer: A**



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8. Bhopal gas tragedy was due to

A. air pollution

B. soil pollution

C. Toxic

D. banglore.

**Answer: C**



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9. When huge amount of sewage is dumped into a river the BOD will:

A. Increases

B. Decreases

C. Slightly decreases

D. remains unchanged.

**Answer: A**



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**10. Jet aeroplanes releases pollutants in air called**

A. smog

B. photo-chemical oxidants

C. Aerosols

D. Algae and bacteria.

**Answer: C**



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**11.** Fertilizers, pesticides and insecticides may causes

A. air pollution

B. water pollution

C. Both A and B

D. None of the above



**Answer: C**



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**12.** Pollutants directly emanating from human activities are

- A. Quantitative pollutants
- B. Qualitative pollutants
- C. Air pollutants
- D. Water pollutants.

**Answer: B**



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13. Atmospheric pollutants formed by human activities constitute of the total

A. 0.95

B. 0.75

C. 0.25

D. 0.0005

**Answer: D**



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**14.** Most atmospheric pollutants do not rise above

A. 600 m

B. 1000 m

C. 2000 m

D. 200 m

**Answer: A**



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15. Aerosol is a system of colloidal particles having a size of

A.  $5\mu m$

B.  $1 - 2\mu m$

C. less than  $100\mu m$

D. more than  $10\mu m$

**Answer: C**



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16. A secondary pollutant is

A.  $O_3$

B. CO

C.  $CH_4$

D. Pb.

**Answer: A**



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17. A colourless, nonirritant , highly toxic gas that impairs respiration is

A.  $SO_2$

B.  $NO_2$

C.  $CO_2$

D. CO.

**Answer: D**



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**18.** Lead pollution in Indian cities had been mainly due to

- A. lead pencils
- B. batteries
- C. automobiles
- D. electronic gadgets.

**Answer: C**



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19. Pollutants likely to deplete ozone layers is

A. CO

B. nitrogen oxides

C. Chlorofluorocarbons

D. Both B and C

**Answer: D**



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20. Acid rain is caused by



- A. Excess production of coal gas
- B. excess releases of  $CO_2$  due to increasing combustion and respiration
- C. Excess releases of  $SO_2$  and  $NO_2$  from burning fossils fuels
- D. Excess production of gaseous hydrocarbons.

**Answer: C**



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**21.**  $SO_2$  pollution is indicated by destruction of

A. Climbers

B. Lichens

C. Mosses

D. Grasses.

**Answer: B**



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**22. Freon is**

A. Ferrous sulphide pollutant

B. Chlorofluorocarbons

C. Iron containing polycyclic hydrocarbons

D. Metal fluoride.

**Answer: B**



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**23.** Maximum atmospheric  $NO_2$  pollution is found in

A. Baroda/Vadodra

B. Chennai

C. Nagpur

D. Mumbai.

**Answer: A**



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**24.** Photochemical smog brings about

A. Defoliation

B. Bleaching and blazing of foliage

C. Floral bud shedding

D. discolouration and curling of petals.

**Answer: B**



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25. Water soaked appearance of leaves due to sulphur dioxide pollution is caused by

- A. Destruction of chlorophyll
- B. Damage to membranes
- C. Both A and B
- D. Corrosive action over metals.

**Answer: C**



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26. In addition to  $SO_2$  , metals and textiles are damaged by

- A. Nitrogen oxides
- B. fluorides
- C. carbon monoxides
- D. aldehydes.

**Answer: A**



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27. Photochemical reaction of nitrogen oxides with unsaturated hydrocarbons produces

- A. methyl isocyanate
- B. phosgene
- C. Benzpyrene
- D. peroxy-acyl nitrates.

**Answer: D**



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28. Level of atmospheric  $CO_2$  has increased in 2000 from

- A. 280 ppm to 360 ppm
- B. 250 ppm to 300 ppm
- C. 300 ppm to 340 ppm
- D. 330 ppm to 350 ppm

**Answer: A**



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29. Gravity settling tanks/porous filters are used to remove particles larger than

A.  $2\mu m$

B.  $50\mu m$

C.  $20\mu m$

D.  $10\mu m$

**Answer: B**



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30. Electrostatic precipitators are employed to remove particulate pollutants of the size of

A.  $5 - 20\mu m$

B.  $20 - 50\mu m$

C.  $50\mu m$  and larger

D.  $0.5 - 5.0\mu m$ .

**Answer: A**



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**31.** B.O.D is related to

- A. detergents
- B. putrescibility
- C. inorganic pollutants
- D. organic pollutants.

**Answer: D**



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**32.** A persistent insecticide is

- A. Organophosphates
- B. carbamates
- C. Thiocarbamates
- D. Chlorinated hydrocarbons.

**Answer: D**



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**33.** An organochlorine insecticide is

- A. DDT/aldrin
- B. Malathion

C. Tetraethyl pyrophosphate

D. Thiocarbamate

**Answer: A**



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**34.** Domestic waste is

A. Effluent

B. Biodegradable

C. Nonbiodegradable

D. Air pollutant

**Answer: B**



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**35. The first atomic bomb was trhown over**

A. Nagasaki

B. Hiroshima

C. Tokyo

D. Hong kong

**Answer: B**



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**36.** Atomic bomb was used during world war II in

A. 1941

B. 1939

C. 1943

D. 1945

**Answer: D**



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37. Atomic explosion has the ability to make radioactive material

A. Iodine -131

B. cesium-137

C. strontium -90

D. All the above

**Answer: D**



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**38.** The most significant attribute of noise is its

A. duration

B. unpleasant nature

C. Loudness

D. Frequency

**Answer: C**



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**39.** Loud noise causes

A. Irritation

B. Irrationality

C. Impairment of hearing

D. Dilation of blood vessels.

**Answer: C**



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**40.** The first effect of noise is

A. Constriction of blood vessels

B. Anxiety and stress reactions

C. increased heart beat

D. digestive spasm

**Answer: B**



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**41.** Climate of the world is threatened by

A. increasing concentration of atmospheric oxygen

B. Decreasing amount of atmospheric oxygen

C. increasing amount of atmospheric carbon dioxide

D. decreasing amount of atmospheric carbon dioxide.

**Answer: C**



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**42. Green -house gases are**

A. Absorbers of long -wave radiations from earth

B. transparent to both solar radiations and long-wave radiations from earth

C. Absorbers of solar radiations for warming the atmosphere of earth

D. Transparent to emission from earth for passage into outer space.

**Answer: A**



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**43.** Earth is protected from ultra-violet radiations by means of

- A. Ozone layer
- B. nitrogen
- C. oxygen
- D. carbon dioxides

**Answer: A**



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44. Ozone layer occurs in

A. Ionosphere

B. Stratosphere

C. Oxygen

D. carbon dioxides

**Answer: B**



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45. Global warming will causes

A. Rise in level of oceans

B. Decreases in glaciers

C. reduction in ice caps

D. all the above

**Answer: D**



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**46.** Etching of marble, limestone, jewellery , etc. is caused by pollutant

A.  $CO_2$



B. CO

C.  $SO_2$

D.  $CH_4$

**Answer: C**



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**47.** Cyclone collectors and electrostatic precipitators are meant for controlling

A. Sewage pollution

B. Air pollution

C. Pesticide pollution

D. Natural pollution

**Answer: B**



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**48.** Photochemical smog was first observed in

A. Los angeless

B. Tokyo

C. New york

D. Sydney

**Answer: A**



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**49.** Classical smog was first observed in

A. Tokyo

B. New york

C. Sydney

D. London

**Answer: D**



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50. Acid rain is due to

- A. Water pollution
- B. Air pollution
- C. Automobile pollution
- D. Pesticide pollution

**Answer: B**



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51. Non-biodegradable pollutants are extremely harmful because they

- A. Undergo biomagnification
- B. Remain in position for long
- C. Do not get recycled
- D. Both B and C

**Answer: A**



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52. Primary pollutants is the one, which

A. Enters environment directly

B. Is formed naturally

C. Is byproducts of reactions between two or more pollutants components

D. Is anthropogenic .

**Answer: A**



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53. A primary air pollutants is

A.  $CH_4$

B.  $H_2S$

C. CO

D. All the above

**Answer: D**



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54. A pollutants that causes irritation in eyes, throat and nose

A. CO

B.  $SO_2$

C.  $CH_4$

D. Chlorofluorocarbons.

**Answer: B**



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55. Pulmonary oedema is caused by

- A. Sulphur oxides
- B. Carbon oxides
- C. Nitrogen oxides
- D. Hydrocarbons

**Answer: C**



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56. In thermal inversion.

- A. Warm ground air gets overlapped by cool air
- B. Cool ground air gets overlapped by warm air
- C. Ground temperature becomes high in winter
- D. Ground temperature becomes low in summer.

**Answer: B**



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**57.** After thermal inversion, pollutants pile up in

- A. Hanging cool air

B. Hanging warm air

C. At the boundary of cool and warm airs

D. Soil

**Answer: A**



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**58.** In India, 50 % of all sickness and 30 % of all deaths occur due to polluted and contaminated

A. Soil

B. Nitrates

C. Carbonates

D. Phosphates

**Answer: C**



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**59.** Detergents are water pollutants because they contains

A. Suphates

B. Nitrates

C. Carbonates

## D. Phosphates

**Answer: D**



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**60.** Eutrophication of water body occurs due to addition of

A. detergents

B. Fertilisers

C. Sewage

D. All of the above

**Answer: D**



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**61.** Air and water pollution are interconnected through

A. Smog

B. Acid rain

C. Aerosols

D. Radioactive pollution

**Answer: B**



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62. Aerosol is suspension of

- A. Liquid drops in air
- B. Solid particles in air
- C. Liquid or solid particles of less than  $1.0 \mu\text{m}$
- D. Liquid or solid particles of more than  $1.0 \mu\text{m}$

**Answer: C**



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63. Ozone present in stratosphere comes from

A. Photosynthesis activity from earth

B. Reaction between nitrogen oxides and  $O_2$

C. Photochemical interactions of oxygen molecules

D. Microbial decay on earth.

**Answer: C**



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64. In pollution, the term 'syntergism' is used for

- A. Biomagnification of nondegradable pollutants
- B. Dangerous effect when two pollutants are present together.
- C. Decreasing effect to a degradable pollutants
- D. formation of more potent secondary pollutants from primary pollutants.

**Answer: D**



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65. Oil slick causes mass scale death of fish due to

- A. Clogging of gills
- B. Non-availability of oxygen in water
- C. Non-availability of food
- D. Disruption of food chain.

**Answer: A**



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**66.** Ozone hole is widest over

A. Equator

B. North pole

C. North temperature area

D. Antarctica.

**Answer: D**



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67. Two components of automobile exhausts, which can interact to produce secondary pollutants are

- A. Carbon monoxide and nitrogen oxides
- B. Nitrogen oxides and hydrocarbons
- C. Carbon dioxides and sulphur dioxide
- D. Sulphur and nitrogen oxides.

**Answer: B**



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**68.** SPM causes

- A. Respiratory diseases
- B. Bone deformities
- C. Skin diseases
- D. All the above

**Answer: A**



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**69.** Corrosion of statues and monuments occurs due to

A. Photochemical smog

B. Carbon monoxides

C. Acid rain

D. Methen

**Answer: C**



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**70. Combustion of coal forms**

A. Sulphur oxides

B. Nitrogen oxides

C. Carbon oxides

D. All the above

**Answer: D**



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**71.** Where was the painful bone disease itai-itai reported first?

A. Britain

B. India

C. Japan

D. USA

**Answer: C**



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**72.** Which one of the following is not a green houses gas ?

A.  $CO_2$

B.  $CH_4$

C.  $O_2$

D. CFCs.



**Answer: C**



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**73.** UV radiations in the stratosphere are absorbed by

- A. Oxygen
- B. ozone
- C. sulphur dioxide
- D. Argon.

**Answer: B**



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74. Montreal protocol was signed in

A. 1978

B. 1987

C. 1991

D. 1993

**Answer: B**



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75. Earth summit 1992 was held at

A. Rio-de-janeiro

B. Stockholm

C. New york

D. Geneva.

**Answer: A**



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76. World environment Day is

A. 8 sep

B. 4 august

C. 6 February.

D. 5 june

**Answer: D**



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77. World environment day coincides with commemoration of

A. Montreal protocol

B. Vienna convention

C. First united nations conferences on human environment

D. Helsinki declaration

**Answer: C**



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**78.** Part of ozone is destroyed over poles during

A. polar spring

B. winter

C. summer

D. period of snow fall.

**Answer: A**



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**79.** Ozone present in stratosphere filters out

A. UV-A

B. UV-B

C. UV-C

D. Both B and C

**Answer: D**



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**80.** Ozone hole over antarctica was first detected  
by

A. Molina and rowland

B. Farmanet al

C. Augus

D. molina and molina

**Answer: B**



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**81.** The ozone hole over Antarctica develops each year between:

A. late august-early october

B. march-April

C. October-november

D. January -february

**Answer: A**



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**82. ODS means**

- A. Ozone developing substances
- B. Ozone depleting substances
- C. Ozone data source
- D. Office data secrecy.

**Answer: B**



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83. CFC s split up in stratosphere to release chlorine by the action of

A. UV-A

B. UV-B

C. UV-C

D. All the above

**Answer: C**



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**84.** The reaction in which the same chemical reacts again and again with the substrate is

- A. catalytic
- B. enzymatic
- C. chainamictic
- D. both A and B

**Answer: C**



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85. Ozone depletion shall causes higher incidence of

- A. skin cancers
- B. cataract
- C. decreased immunity
- D. all the above

**Answer: D**



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86. Montreal protocol was connected with :

A. Phasing out ODS

B. Reduction in CFCs

C. Replacing CFCs with chlorine and bromine

D. All the above

**Answer: B**



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87. Kyoto conference is connected with

- A. Limiting production of  $CO_2$
- B. Developing alternatives to ODS
- C. Both A and B
- D. Reduction in use of energy.

**Answer: C**



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**88.** In the absence of greenhouse gases, the temperature of earth's surface will fall to

A.  $0^{\circ}C$

B.  $-5^{\circ}C$

C.  $-10^{\circ}C$

D.  $-20^{\circ}C$

**Answer: D**



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**89.** Surface of earth is kept warm by

A. Solar radiations

B. Geothermal energy

C. Green houses flux

D. Absorption of infra red radiations by green  
house gases

**Answer: C**



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**90.** Carbon dioxides fertilisation effect is

A. Warming effect of  $CO_2$

B. Photosynthetic enhancement of elevated  
 $CO_2$  level



C. Both summer and temperature rainfall at higher latitudes

D. Poleward shifting of temperature zone .

**Answer: B**



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**91.** Blue baby syndrome is caused due to excess :

A. CO

B. fluorine

C. Nitrate

D. Mercury

**Answer: C**



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**92.** At do below 4 mg/l, water at normal temperature is

- A. heavily polluted
- B. moderately polluted
- C. little polluted
- D. nearly pure.

**Answer: A**



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**93.** Major aerosol pollutant present in jet plane emission is :

- A. sulphur dioxide
- B. carbon monoxide
- C. methane
- D. fluorocarbon.

**Answer: D**



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**94.** Disease aggravated by pollution is

A. Scurvy

B. Rheumatism

C. Haemophilia

D. Bronchitis.

**Answer: D**



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95. Atmosphere of big/metropolitan cities is polluted most by

- A. Automobile exhausts
- B. Pesticide residue
- C. Household waste
- D. Radio-active fall -out.

**Answer: A**



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96. Chief air pollutant which is likely to deplete ozone layer is

A. sulphur dioxide

B. carbon dioxide

C. carbon monoxides

D. nitrogen oxides and fluorocarbons

**Answer: D**



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97. Which one is not a pollutant normally ?

- A. Hydrocarbons
- B. carbon dioxide
- C. carbon monoxides
- D. sulphur dioxide

**Answer: B**



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98. Gas released during bhopal tragedy was

- A. methyl isocyanate
- B. potassium isothiocyanate
- C. sodium isothiocyanate
- D. ethyl isothiocyanate

**Answer: A**



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**99.** Minamata disease is due to pollution of

- A. organic water into drinking water
- B. oil spill in water



C. industrial waste mercury/methyl mercury  
into fishing water

D. arsenic into the atmosphere.

**Answer: C**



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**100.** Cyclone collectors and electrostatic precipitators are meant for controlling

A. Radioactive pollution

B. Air pollution

C. Noise pollution

D. Water pollution

**Answer: B**



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**101. Ultra-violet light causes**

A. Formation of pyrimidines

B. Sticky metaphases

C. Photodynamic action

D. Destruction of hydrogen bonds between complementary DNA strands.

**Answer: D**



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**102. Sulphur dioxide affects**

- A. Cell wall
- B. Plasmodesmata
- C. All membrane system
- D. Nucleus.

**Answer: C**



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**103.** addition of phosphates and nitrates/fertilizers into water leads to

- A. Increased growth of decomposers
- B. Reduced algal growth
- C. Increased algal growth
- D. Nutrient enrichment/eutrophication .

**Answer: D**



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**104.** Air pollutant photochemical oxidants include

- A. nitrous oxide, nitric acid and nitric oxide
- B. oxygen, chlorine and nitric acid
- C. ozone, peroxyacetylene nitrate and aldehydes
- D. carbon monoxide and sulphur dioxide.

**Answer: C**



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**105.** UV rays prove lethal due to inactivation of:

- A. Proteins, nucleic acids and pigments
- B. minerals, air and water
- C. carbohydrates, fats and vitamins
- D. water, carbon dioxide and oxygen.

**Answer: A**



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**106.** Carbon monoxide is pollutant as it:

- A. inactivates nerves
- B. inhibits glycolysis
- C. combines with oxygen
- D. combines with haemoglobin.

**Answer: D**



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**107.** Air pollutants that produce photochemical oxidants include

- A.  $CO_2$ , CO and  $SO_2$

B. nitrous oxide, nitric oxide and nitric acid

C. oxygen , chlorine and nitric acid

D. ozone, chlorine and sulphur dioxide.

**Answer: B**



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**108.** Acid rains are produced by

A. Excess  $NO_2$  and  $SO_2$  from burning fossils

fuels



B. excess production of  $NH_3$  by industry and coal gas

C. Excess releases of carbon monoxide by incomplete combustion

D. Excess formation of  $CO_2$  by combustion and animal respiration .

**Answer: A**



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109. Spraying of *DDT* produce pollution of the type:

A. Air

B. Air and water

C. Air and soil

D. Air, water and soil.

**Answer: D**



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**110.** Most abundant water pollutant is:

- A. detergents
- B. pesticides
- C. industrial wastes
- D. ammonia.

**Answer: C**



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111. The  $CO_2$  content by volume, in the atmospheric air is about

A.  $3.6E-5$

B. 0.00036

C. 0.0036

D. 0.036

**Answer: B**



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**112.** Burning of fossil fuels is the main source of which of the following pollutants?

A. Nitrogen oxide

B. nitric acid

C. nitrous oxide

D. sulphur dioxide

**Answer: D**



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**113.** Modes of controlling pollution in large cities includes:

- A. cleanliness and less use of insecticides
- B. proper disposal of organic wastes, sewage and industrial effluents
- C. broader roads and shifting of factories
- D. All the above

**Answer: D**



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**114.** Domestic waste mostly constitute:

- A. Nonbiodegradable pollution
- B. Biodegradable pollution
- C. Effluents
- D. Air pollution

**Answer: B**



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**115.** Ozone layer of upper atmosphere is being destroyed by:

A. Chlorofluorocarbon

B.  $SO_2$

C. photochemical oxidants/ $O_2$  and  $CO_2$

D. smog.

**Answer: A**



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**116.**  $SO_2$  pollution can be controlled by :

A. Deschampsia (grasses)

B. Sphagnum (mosses)



C. Usnea (lichens)

D. Cucubita(climbers)

**Answer: C**



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**117.** Increased asthmatic attacks in certain seasons are related to

A. Inhalation of seasonal pollen

B. eating of saesonal vegetables

C. low temperature

D. wet and dry environment

**Answer: A**



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**118.** Ozone depletion in stratosphere shall result in:

A. forest fires

B. increased incidence of skin cancer

C. global warming

D. None of the above

**Answer: B**



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**119.** Which one of the following dissolves more rapidly in blood haemoglobin than oxygen ?

A. Ozone

B. Nitrous oxide

C. Sulphur dioxide

D. Carbon monoxide

**Answer: D**



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**120.** Which of the following combines with haemoglobin in blood?

- A. Carbon dioxide
- B. carbon monoxide
- C. oxygen
- D. methane

**Answer: B**



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121. *DDT* is

- A. green house gas
- B. degradable pollutant
- C. nondegradable pollutant
- D. None of the above

**Answer: C**



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**122.** Ultraviolet radiations from sunlight causes a reaction that produces:

- A. Fluorides
- B. Carbon monoxide
- C. sulphur dioxide
- D. ozone.

**Answer: D**



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**123.** The noise pollution is measured in:

A. hertz

B. fathoms

C. nanometers

D. decibels

**Answer: D**



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**124.** Most hazardous metal pollutant of automobile exhausts is :

A. mercury

B. cadmium

C. lead

D. copper.

**Answer: C**



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125. Damage to Taj Mahal is being caused by :

- A. Flood in Yamuna
- B. Temperature mediated spoilage of marble
- C. air pollutants from Mathura refinery
- D. All of the above

**Answer: C**



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126. which is not a pollutant from exhaust of motor vehicle ?

A. Hydrocarbons gas

B. Fly ash

C.  $SO_2$

D. CO.

**Answer: B**



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**127.** Lead is

- A. Air pollutants
- B. Soil pollutants
- C. Radioactive pollutants
- D. Noise pollutants

**Answer: B**



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**128.** Which will not cause atmospheric pollution ?

A.  $SO_2$

B.  $CO_2$

C. CO

D.  $H_2$ .

**Answer: D**



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**129.** Which of the following causes water pollution?

A. smoke/fly ash

B. Automobile exhausts

C. Aeroplanes

D. 2,4-D and pesticides.

**Answer: D**



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**130.** Pollution is controlled by

A. Banning atomic blasts

B. Use of electrically operated automobiles

C. Sewage treatment

D. All of the above

**Answer: D**



**Watch Video Solution**

**131.** Air pollution is not caused by

A. Pollen grains

B. Hydroelectric power

C. Industries

D. Automobiles

**Answer: B**



**Watch Video Solution**

**132.** Carbon monoxide is harmful to human beings as it is

A. Carcinogenic

B. Antagonistic to  $CO_2$

C. With higher affinity for haemoglobin as compared to oxygen

D. Destructive to  $O_3$

**Answer: C**



**Watch Video Solution**

**133.** The highest DDT concentration in aquatic food chain shall occur in:

- A. Phytoplankton
- B. Sea gull/birds
- C. Crab
- D. Eel

**Answer: B**





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134. Gas being produced by paddy fields and involved in global warming is

A. Chlorine

B. Methane

C.  $CO_2$

D.  $H_2S$

**Answer: B**



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**135.** Gree house effect is warmings due to

A. Infra-red rays reaching earth

B. Moisture layer in atmosphere

C. Increases in temperature due to increases in  
carbon dioxide concentration of atmosphere

D. Ozone layer of atmosphere.

**Answer: C**



**Watch Video Solution**

**136.** Green house effect is related to

- A. Increased growth of green algae
- B. Global warming
- C. Cultivation of vegetables in houses
- D. Development of terrace gardens.

**Answer: B**



**Watch Video Solution**

**137.** Green house gases include

A.  $CO_2$ ,  $CFC$ ,  $CH_4$  and  $N_2O$

B.  $CO_2$ ,  $O_2$ ,  $N_2$ ,  $NO_2$  and  $NH_3$

C.  $CH_4$ ,  $N_2$ ,  $CO_2$  and  $NH_3$

D.  $CFC$ ,  $CO_2$ ,  $NH_3$  and  $N_2$

**Answer: A**



**Watch Video Solution**

**138.** Which is not a green house gas

A. Chlorofluorocarbon

B. Methane

C. Carbon dioxides

D. Hydrogen /  $H_2$  /  $\frac{\emptyset}{N}H_3$  /  $SO_2$  /  $C_2H_4$  /  $O_3$  /  $O_2$

**Answer: D**



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**139.** Concentration of green houses gases is increasing due to

A. Deforestation

B. Increased use of refrigerators

C. increased combustion of coal and petroleum

D. All the above

**Answer: D**



**Watch Video Solution**

**140.** Which gas contributes most to gree house effect ?

A. CFC

B. Freon

C.  $CO_2$

D.  $CH_4$

**Answer: C**



**Watch Video Solution**

**141.** Which gas of the atmosphere holds up ultraviolet rays

A.  $O_2$

B.  $O_3$

C.  $N_2$

D.  $CO_2$

**Answer: B**



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142. Checking of radiating heat by atmospheric dust, water vapour, ozone,  $CO_2$  etc., is known as:

- A. Ozone layer effect
- B. Solar effect
- C. Radioactive effect
- D. Green house effect.

**Answer: D**



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**143.** Liberation of  $H_2S$ /foul smell in water of tanks, ponds, etc is due to

- A. Anaerobiosis
- B. Aerobiosis
- C. Psammophytes
- D. Biological magnification

**Answer: A**



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**144.** Ultraviolet radiations from sunlight causes a reaction that produces:



**Answer: A**



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**145.** Which important greenhouse gas other than methane is liberated from agriculture fields?

- A. Nitrous oxide,
- B. Ammonia
- C. Sulphur dioxide
- D. Arsenic

**Answer: A**



**Watch Video Solution**

**146.** Green house effect is due to

A.  $CO_2$

B.  $CH_4$ ,  $SO_2$  and  $NO_2$

C. Combination of many gases

D. Gases which absorb infra-red rays reflected  
from earth.

**Answer: D**



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147. Green house effect is increasing due to

A. Increasing  $CO_2$  concentration

B. increasing  $SO_2$  concentration

C. Increasing concentration of  
chlorofluorocarbons

D. Hole in ozone layer.

**Answer: A**



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**148.** The peak concentration ozone above surface of Earth is at:

A. 10 km

B. 15 km

C. 20 km

D. 30 km

**Answer: C**



**Watch Video Solution**

**149.** Green house effect is due to the accumulation of

- A.  $O_3$  and depletion of  $CO_2$
- B.  $O_3$  and  $CO_2$
- C.  $CO_2$  and depletion of  $O_3$
- D. Green plants.

**Answer: B**



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150. A green house gas is

A.  $H_2$

B. CO

C.  $CO_2$

D.  $N_2$ .

**Answer: C**



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151. The reason for green-house effect is



- A. Higher  $CO_2$  concentration causing global warming
- B. Absorption of infra-red rays by gases and dust particles
- C. Both A and B
- D. Rarefaction of  $CO_2$

**Answer: C**



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**152.** A disease caused by eating fish contaminated by industrial waste, containing mercury compounds, is called as

- A. Minamata disease
- B. Bright's disease
- C. Hashimoto's diseases
- D. Osteosclerosis.

**Answer: A**



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**153.** Drawback of DDT as pesticide is

- A. It becomes ineffective after some time
- B. It is less effective than others
- C. It is not easily/rapidly degraded in nature
- D. its high cost.

**Answer: C**



**Watch Video Solution**

**154.** Sounds above what level are considered hazardous noise pollution?

A. Above 30 dB

B. Above 80 dB

C. Above 100 dB

D. Above 120 dB

**Answer: B**



**Watch Video Solution**

**155.** Fishes die in water bodies polluted by swage due to :

A. Pathogens

B. Clogging of gills by silt

C. Reduction in oxygen

D. Four smell.

**Answer: C**



**Watch Video Solution**

**156.** Lichens indicate pollution by

A.  $O_3$

B.  $SO_2$

C.  $NO_2$

D. CO.

**Answer: B**



**Watch Video Solution**

**157.** Drained sewage has biological oxygen demand (*BOD*):

- A. More than that of water
- B. Less than that of water
- C. equal to that of water
- D. None of the above

**Answer: A**



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**158.** B.O.D. is connected with

- A. Organic matter
- B. Microbes
- C. Microbes and organic matter
- D. None of the above

**Answer: C**



**Watch Video Solution**

**159.** UV radiations bring about

- A. skin cancers
- B. Mouth cancer
- C. Lung cancer
- D. Liver cancer

**Answer: A**



**Watch Video Solution**



**160.** Taj mahal is threatened by pollution from

- A. chlorine
- B. sulphur dioxide
- C. hydrogen
- D. oxygen

**Answer: B**



**Watch Video Solution**

**161.** Which one is the most toxic ?

A. Carbon

B. CO

C.  $CO_2$

D.  $SO_2$

**Answer: D**



**Watch Video Solution**

**162.** BOD is

A. Biological oxygen deficit

B. Biosphere oxygen demand

C. Biological oxygen demand

D. None of the above

**Answer: C**



**Watch Video Solution**

**163.** Pollution can bring about change in

A. Biogeochemical cycling

B. Abiotic environment

C. Biotic environment

D. None of the above

**Answer: C**



**Watch Video Solution**

**164.** Which one is the major reason for pollution in big cities ?

- A. Fossil fuel
- B. Acid rain
- C. Heat dispersion
- D. None of the above

**Answer: A**



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**165.** World environment day is

A. 28th Feb.

B. 5 th june

C. 7th Aug.

D. 10th April

**Answer: B**



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**166.** "Heat islands" are produced due to:

A. Water pollution

B. Air pollution

C. Lands pollution

D. All the above

**Answer: B**



**Watch Video Solution**

**167.** Biodegradable pollutants is

A. Plastic

B. Asbestos

C. Sewage

D. Mercury

**Answer: C**



**Watch Video Solution**

**168.** Water pollution is due to

A. Sulphur dioxide

B. Carbon dioxide

C. oxygen

D. Industrial discharges.

**Answer: D**



**Watch Video Solution**

**169.** Which one is found in higher concentration in the atmosphere ?

A. Ozone

B. Nitrogen oxides

C. Carbon dioxide, nitrogen and oxygen



D. All the above

**Answer: C**



**Watch Video Solution**

**170.** Pollution is rising due to

A. Rains

B. Research institutes

C. Population explosion

D. Automobiles and industries.

**Answer: D**



**Watch Video Solution**

**171.** Pollution can be cheked through

- A. Reducing discharge of waste
- B. increasing industrial development
- C. Throwing wastes in open spaces
- D. All the above

**Answer: A**



**Watch Video Solution**

**172.** Eutrophication causes reduction in

A. Dissolved carbon dioxide

B. D.O

C. Dissolved nitrate

D. All the above

**Answer: B**



**Watch Video Solution**

**173.** Continuous sewage flow into a stream would lead to

- A. Eutrophication
- B. Algal bloom
- C. Depletion of oxygen
- D. Increase in temperature .

**Answer: C**



**Watch Video Solution**

**174.** Atmospheric carbon monoxide concentration becomes harmful at

- A. 0.5 , 2mm Hg
- B. 0.4 , 7mm Hg
- C. 0.3 ,5mm Hg
- D. 0.1, 0.7 mm Hg

**Answer: D**



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175. MIC and Chernobyl tragedies occurred at:

A. Bhopal 1984, Ukraine 1990

B. Bhopal 1984, Ukraine 1988

C. Bhopal 1984, Ukraine 1986

D. Bhopal 1986, Russia 1988

**Answer: C**



**Watch Video Solution**

**176.** Country contributed maximum to hole formation in ozone layer is

A. U.S.A

B. Russia

C. Germany

D. Japan

**Answer: A**



**Watch Video Solution**

177. Chlorofluorocarbon releases a chemical harmful to ozone:

- A. Fluorine
- B. Chlorine
- C. Nitrogen peroxide
- D. Sulphure dioxide

**Answer: B**



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**178.** Measurement of rate of oxygen utilisation by a unit volume of water over a period of time is to measure.:

- A. Fermentation
- B. Biogas generation
- C. Biosynthetic pathway
- D. Biological oxygen demand

**Answer: D**



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**179.** Increasing skin cancer and high mutation rate are the result of

- A. Acid rain
- B. Ozone depletion
- C. CO pollution
- D.  $CO_2$  pollution

**Answer: B**



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**180.** Sudden mass death of fishes from oxygen depletion is more likely in case of:

- A. Eutrophic lake
- B. Mesotrophic lake
- C. Oligotrophic lake
- D. Oxaltrophic lake .

**Answer: A**



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**181.** Which pollution causes jundice ?

A. Water

B. Air

C. Land

D. Thermal.

**Answer: A**



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**182.** Radioactive Sr-90 can enter and accumulate in human body through

- A. Breathing in contaminate air
- B. Drinking water
- C. Soil
- D. Food chain

**Answer: D**



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**183.** "Ozone Day" is observed on:

A. January, 30

B. September, 16

C. April, 21

D. December , 25

**Answer: B**



**Watch Video Solution**

**184.** Aerosols having carbon and fluorine compounds are chiefly released by

- A. Refineries
- B. Automobiles
- C. Industries
- D. Jets.

**Answer: D**



**Watch Video Solution**

**185.** Oxides of sulphur and nitrogen are important pollutants of :

A. Water

B. air

C. Soil

D. All of the above

**Answer: B**



**Watch Video Solution**



**186.** Air pollution affects:

A. Leaves

B. roots

C. Stem

D. Flowers.

**Answer: A**



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**187.** Which pollutant causes leaf curling?

A. CO

B.  $H_2S$

C.  $O_3$

D.  $SO_2$

**Answer: D**



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**188.** Water pollution causes

A. Increased photosynthesis

B. increased deoxygenation and turbidity

C. decreased turbidity

D. increased oxygenation .

**Answer: B**



**Watch Video Solution**

**189.** Natural sink of stratospheric ozone layer is :

A. Sulphuric dioxide

B. Sulphur fluxes of oceans

C. freons

D. HCFCs.

**Answer: C**



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**190.** Major source of methane in India is :

- A. Rice fields
- B. Sugarcane plantation
- C. Wheat fields
- D. Fruit orchards.

**Answer: A**



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**191.** Ozone hole is maximum over

A. Europe

B. Antractica

C. India

D. Africa

**Answer: B**



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**192.** In the coming years, skin related disorders will be more common due to :

- A. Excessive use of detergents
- B. water pollution
- C. Air pollution
- D. Depletion of ozone layer.

**Answer: D**



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**193.** Phosphate pollution is caused by

- A. Weathering of phosphate rocks only
- B. Agricultural fertilizers
- C. phosphate rocks and sewage
- D. sewage and agricultural fertilizers.

**Answer: D**



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**194.** Common indicator organism of water pollution is

- A. Escherichia coli
- B. Chloera vibrio
- C. Salmonella typhi
- D. Entamonella histolytica.

**Answer: A**



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**195.** Which pigment protects plants from UV damage ?

- A. Chlorophyll
- B. Xanthophyll
- C. Carotenoids
- D. Phycocyanin.

**Answer: C**



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**196.** The main component of photochemical smog is:

A.  $O_3$

B. PAN

C. PPN and PBN

D. both A and B

**Answer: D**



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**197.** Indiscriminate use of fertilisers causes

- A. Air pollution
- B. water pollution
- C. Land pollution
- D. All of the above

**Answer: B**



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**198.** Most harmful type of environmental pollutants are

- A. Human organic wastes
- B. Natural nutrients in excess
- C. Waste animal feed
- D. Nonbiodegradable chemicals.

**Answer: D**



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**199.** Cadmium pollution of water body produces a disease of humans called

- A. Anaemia
- B. Itai-Itai
- C. Minamata
- D. Pneumoconiosis.

**Answer: B**



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200. Which is not dangerous for life ?

- A. Nuclear blast
- B. Deforestation
- C. Ozone layer
- D. Biopollutants.

**Answer: C**



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201. Spraying of *DDT* produce pollution of the type:

- A. Air and water
- B. Air and soil
- C. Crops and air
- D. Soil and water.

**Answer: D**



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202. Sewage water is purified by

A. Microorganisms

B. light

C. Fishes

D. Aquatic plants.

**Answer: A**



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203.  $SO_2$  pollution causes



- A. Plasmolysis
- B. Destruction of cell wall
- C. Destruction of golgi bodies
- D. Destruction of chlorophyll.

**Answer: D**



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**204.** Sewage treatment process in which part of decomposer bacteria is recycled into starting of the process is called :

- A. Cyclic treatment
- B. Activated sludge treatment
- C. Primary treatment
- D. Tertiary treatment.

**Answer: B**



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**205.** Carbon monoxide, emitted by automobiles prevents transport of oxygen in body due to

A. Combining with oxygen to form carbon dioxide

B. Destruction of haemoglobin

C. Preventing reaction between oxygen and haemoglobin

D. forming stable compound with haemoglobin.

**Answer: D**



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**206.** Warm ocean surge or Peru current that recurs after 5-8 years in East pacific along south America is

A. El Nino

B. Aye Aye

C. Mangox

D. Gulf stream.

**Answer: A**



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207. "Ozone hole" refers to:

A. Hole in ozone layers

B. Reduction in thickness of ozones layers in stratosphere

C. Reduction of thickness of ozone troposphere

D. Increases concentration of ozone.

**Answer: B**



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**208.** Photochemical smog is related to the pollution of :

A. Air

B. Water

C. Soil

D. Nostoc.

**Answer: A**



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**209.** Most important causative pollutant is

A. Plastic

B. Glass junk

C. Iron junk

D. Detergents.

**Answer: D**



**Watch Video Solution**

**210.** Among pollutants which has the most lasting effect

A. Carbon monoxide

B. Pesticides

C. Sulphur dioxide

D. Smoke from chimneys.

**Answer: B**



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**211.** Thermal pollution, is more prevalent near

A. Hot water springs

B. Coal based power plants

C. Termperate zones



D. Tropical zones.

**Answer: B**



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**212.** Pollution indicator plants

- A. Are resistant to pollution
- B. Can purify the atmosphere
- C. Are very sensitive to pollutants
- D. Can indicate onset of rains.

**Answer: C**



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**213.** Most hazardous metal pollutant of automobile exhausts is :

A. mercury

B. Lead

C. Cadmium

D. copper.

**Answer: B**



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**214.** Photochemical smog always contains

A. Ozone

B. Methane

C. Carbon monoxides

D. Carbon dioxide

**Answer: A**



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**215.** The depletion of ozone layer is due to:

- A. Oxides of nitrogen
- B. Oxides of carbon
- C. Oxides of sulphur
- D. None of the above

**Answer: A**



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**216.** Use of lichens in case of pollution is

A. Treatment of pollutants water

B. Bioindicators of pollution

C. Promote pollution

D. Lichens have no relation with pollution

**Answer: B**



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**217.** A secondary pollutant is

A. CO

B.  $CO_2$

C. PAN

D. Aerosol

**Answer: C**



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**218. *DDT* is**

A. Biodegradable pollutants

B. Nondegradable pollutants

C. not a pollutants

D. An antibiotic

**Answer: A**



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**219.** Most inhabitants of kolkata suffer from bromchits. It is due to excess

- A. Adultration of food
- B. Impurity of water
- C. polluted air
- D. Polluted soil

**Answer: C**



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**220.** Peeling of ozone umbrella, which protects us from UV rays, is caused by:

A. CFCs

B. PAN

C.  $CO_2$

D. coal burning

**Answer: A**



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221. The protective ozone layer of stratosphere itself requires protection from indiscriminate use of :

- A. Fungicides, insecticides, bactericides and medicines
- B. Aerosols and high flying jets
- C. Atomic explosion and industrial wastes
- D. Balloons and turbo-prop aeroplanes.

**Answer: B**



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222. Environmental pollution affects

A. Biotic components

B. Plants only

C. Man only

D. Biotic and abiotic components of environment.

**Answer: D**



**Watch Video Solution**

**223.** Green muffler scheme helps to reduce

A. Air

B. Soil

C. Noise

D. Water.

**Answer: C**



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**224.** Anxiety and stress are caused by

- A. Air pollution
- B. Noise pollution
- C. Water pollution
- D. Nuclear pollution

**Answer: B**



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**225.** Water pollution is due to

- A. Agricultural discharges
- B. Sewages and other wastes

C. Industrials effluents

D. All the above

**Answer: D**



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**226.** The pollutants released by jet planes are :

A. Fog

B. Aerosol

C. Smog

D. Colloid.

**Answer: B**



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**227.** Carbon monoxide kills because it destroys.

A. Haemoglobin

B. Phytochrome

C. Cytochrome

D. both A and B

**Answer: A**



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**228.** Chlorofluorocarbons are air polluting agents which are produced by

A. Acid Batteries

B. Diesel trucks

C. Aerosols

D. Jet planes

**Answer: C**



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**229.** Water of often treated with chlorine to

- A. Increased oxygen content
- B. Kill germs
- C. Remove hardness
- D. Remove suspended particles.

**Answer: B**



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**230.** Which of the following may cause water blooms



A. Lemna

B. Hydrilla

C. Water hyacinth

D. Planktonic algae.

**Answer: D**



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**231.** DDT concentration recorded in human body has been

A. 0.3-0.7 ppm

B. 1.3-3.1 ppm

C. 13-31 ppm

D. 30-70 ppm .

**Answer: C**



**View Text Solution**

**232.** Lead (Pb) is mainly considered:

A. Soil pollutants

B. Water pollutant

C. Air pollutants

D. Noise pollutants

**Answer: C**



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**233.** Aerosols reduce primary productivity by :

A. Decreasing  $O_2$  concentration

B. Competing with  $CO_2$

C. Preventing  $N_2$  fixation

D. Reduction photosynthesis .

**Answer: D**



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**234.** A dental disease characterised by mottling of teeth is due to the presence of certain chemical element in drinking water. Which of the following is that element?

A. mercury

B. fluorine

C. Boron

D. Chlorine

**Answer: B**



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**235.** Which one of the following is not pollutants.

A.  $CO_2$

B.  $CO$

C.  $SO_2$

D.  $NO_2$ .

**Answer: A**



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**236.** The concentration of DDT in the food chain, from lower to higher trophic levels:

- A. Remain same
- B. Decreases in glaciers
- C. Increases
- D. Unpredictable

**Answer: C**



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237. NEERI is

A. National Environmental engineering  
research institute

B. National ecological and environmental  
research institute

C. National ethological and ecological research  
institute

D. National Eugenics and Ecological Research  
institutes.

**Answer: A**

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**238.** A person has impaired nervous system and signs of madness due to continued intake of metal contaminated water. The metal is

- A. mercury
- B. Calcium
- C. Maganese
- D. Lead

**Answer: D**



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**239.** Methane gas producing field is

- A. Wheat field
- B. paddy field
- C. Cotton field
- D. groundnut field

**Answer: B**



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**240.** Eutrophication is caused by

- A. Lack of algae in a lake
- B. Abundant oxygen in ponds
- C. Run-off fertilizers in lake
- D. Excess nektons in lake.

**Answer: C**



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**241.** Ozone hole is caused by

A. Acetylene

B. Ethylene

C. Chlorofluorocarbons

D. Methane

**Answer: C**



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**242.** BOD (biological oxygen demand) is

A. Amount of oxygen consumed by

microorganisms for decaying organic matter

per unit volume of water.

B. Amount of  $CO_2$  consumed by

microorganisms per unit of sewage water

C. Amount of oxygen required by aquatic

plants for survival

D. None of the above

**Answer: A**



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**243.** Treatment of polluted water is carried out with the help of

A. Lichens

B. Fungi

C. Ferns

D. Phytoplankton.

**Answer: B**



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**244.** Eutrophication is found in

A. Agricultural land near thermal plant

B. Saline soil

C. Lake

D. Mountain

**Answer: C**



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**245.** Automobile exhaust gas that causes major respiratory problem is

A. CO

B.  $CH_4$

C.  $NO_2$

D. Chlorine.

**Answer: A**



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**246.** Result of ozone hole is

- A. Green house effect
- B. Global warming
- C. Acid rain
- D. UV radiations reach the earth.

**Answer: D**



**Watch Video Solution**

**247.** A lake receiving nutrients would be



A. Oligotrophic

B. Eutrophic

C. Sink

D. Rich in fossils

**Answer: B**



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**248.** Intensity of sound in normal conversation

A. 10 -20 dB

B. 30-60 dB

C. 70-90 dB

D. 120-150 dB

**Answer: B**



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**249.** Exposure to noise pollution causes

A. Increases heart beat

B. Constriction of blood vessels

C. Dilation of pupil

D. All the above

**Answer: D**



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**250.** Acid rain is caused by

A.  $SO_2$  and  $SO_3$

B.  $SO_2$  and  $CO$

C.  $NH_3$  and  $CO$

D.  $SO_2$  and  $NH_3$

**Answer: A**



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**251.** Lichens are sensitive to

- A. Noise pollution
- B. Air pollution
- C. Water pollution
- D. Nuclear pollution

**Answer: B**



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**252.** Acid rain is secondary effect of

A. Sound pollution

B. Air pollution

C. soil pollution

D. Water pollution

**Answer: C**



**Watch Video Solution**

**253.** Green house effect is due to

A. X-rays

B. UV rays

C. Green rays

D. Infra-red rays

**Answer: D**



**Watch Video Solution**

**254.** Polluted water do not contain

A. Stone Fly Larvae

B. Sewage fungus

C. Water Hyacinth

D. Cyanobacteria.

**Answer: A**



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**255.** DDT has been a major pollutant because it

A. Kills aquatic animals

B. Kills pests

C. Destroy many valuable species

D. Is nondegradable

**Answer: D**



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**256.** Pollutant which causes acid rain is

A.  $SO_2$

B.  $CO_2$

C.  $CO$

D. Hydrocarbons

**Answer: A**



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**257.** Fertilisers added to fresh water will cause

- A. Death of plants
- B. Decreases in fish population
- C. Increases in aquatic animals
- D. Eutrophication.

**Answer: D**



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258. Minamata and itai-itai are caused by the pollution of

- A. Mercury and lead
- B. Mercury and Cadmium
- C. Lead and Tin
- D. Lead and Strontium.

**Answer: B**



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**259.** Pollution indicator is

A. Agrobacterium

B. Lichen

C. Pteridium

D. Both A and B

**Answer: B**



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**260.** A water body has high BOD indicating that water is

- A. Being contaminated with sewage
- B. Being aerated
- C. Receiving minerals
- D. Atrophic.

**Answer: A**



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**261.** Eutrophication is a type of

A. Land pollution

B. Air pollution

C. Water pollution

D. Noise pollutants

**Answer: C**



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262. Heat that radiates back from greenhouse gases (green house flux) causes

- A. Addition global warming
- B. Thermal inversion
- C. Eutrophication
- D. Smog

**Answer: A**



**Watch Video Solution**

**263.** Lichens do not occur in area with

A. Pollution

B. humidity

C. low temperature

D. High temperature

**Answer: A**



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264. Pollutant that reduces  $O_2$ -carrying capacity of blood is

A.  $SO_2$

B. CO

C.  $CO_2$

D. None of the above

**Answer: B**



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265. Affinity of CO for haemoglobin as compared to  $O_2$  is

A. Two times

B. Twenty times

C. 100 times

D. 200 times

**Answer: D**



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## 266. Water pollution

- A. Increases turbidity and deoxygenation
- B. Decreases turbidity
- C. Increases oxygenation
- D. Increase photosynthesis.

**Answer: A**



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**267. Nutrient enrichment of water bodies causes**

- A. Stratification
- B. Eutrophication
- C. Succession
- D. None of the above

**Answer: B**



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**268.** Which is regional pollution

- A. Smog
- B. Acid rain

C.  $O_3$  layer depletion

D. both A and B

**Answer: D**



**Watch Video Solution**

**269.** Acid rain will not affect

A. Lithosphere

B. Plants only

C. Ozone layer

D. Animals

**Answer: C**



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**270.** Biological magnification occurs in case of

A. Organochlorine insecticides

B. Organophosphate pesticides

C. Plants and animals in ecosystem with abundant resources

D. Photography.

**Answer: A**



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**271.** Hay fever is caused by

- A. Hepatitis
- B. Dangué
- C. Allergy
- D. Helper T-cells

**Answer: C**



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272. Silicosis occurs to

- A. Acid rain
- B. ozone depletion
- C. Inhalation of aerosols
- D. Inhalation of  $SO_2$

**Answer: C**



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273. Effect of pollution is observed first on:

A. Microorganisms

B. Vegetation

C. Food crops

D. None of the above

**Answer: B**



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**274. Minimata disease first occurred in**

A. Japan

B. Russia



C. China

D. Korea.

**Answer: A**



**Watch Video Solution**

**275. 5 th june is**

A. World Forest Day

B. World red cross dary

C. World environment Day

D. World food day .

**Answer: C**



**Watch Video Solution**

**276.** Melanin pigment protects from which of the following radiations ?

- A. X-rays
- B. Infra-red rays
- C. Visible rays
- D. UV rays

**Answer: D**



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277. Which is most ionising

A. X-rays

B.  $\gamma$ -rays

C.  $\beta$  – rays

D.  $\alpha$ -rays

**Answer: D**



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**278.** Methyl isocyanate of Bhopal gas tragedy was

- A. Carbamate
- B. Organophosphate
- C. Organochlorine
- D. None of the above

**Answer: A**



**Watch Video Solution**

**279.** World environment day is

A. 25th Dec

B. 20th September

C. 5th june

D. 9th july.

**Answer: C**



**Watch Video Solution**

**280.**  $SO_2$  pollution causes

A. Mitochondria

B. Chloroplasts

C. Golgi bodies

D. Vacuoles

**Answer: B**



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**281.** Primary constituents of photochemical smog are

A.  $SO_2$  and CO

B.  $CO_2$  and  $NO_2$

C.  $NO_2$  and unsaturated hydrocarbons

D. Hydrocarbons and CFCs.

**Answer: C**



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**282.** BOD is measure of

- A. Industrial waste being poured in water body
- B. Extent of pollution with organic compounds
- C. CO combined with haemoglobin
- D.  $O_2$  required by green plants during night .

**Answer: B**



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**283.** Drinking of mineral water with very low levels of pesticides (about 0.02 ppm) for long periods may:

- A. Cause cancer of intestine
- B. pesticide accumulation in the body
- C. cause leukaemia
- D. Produce immunity against mosquito.



**Answer: B**



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**284.** In indian metropolitan cities like Delhi major air pollutants is

A. SPM

B.  $SO_2$

C.  $NO_2$

D. CO and  $CO_2$

**Answer: A**



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285. Photochemical smog consists of

- A.  $O_3$ ,  $SO_2$  and hydrocarbons
- B.  $O_3$ , PAN and  $NO_2$
- C.  $SO_2$ ,  $CO_2$  and hydrocarbons
- D.  $SO_2$ , PAN and smoke

Answer: B



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**286.** Assertion (A) : Inhabitants close to very busy airports are likely to experience health hazards.

Reason (R) : Sound level of jet aeroplanes usually exceeds 160 dB.

A. If both are true with reason being correct explanation

B. Both true but reason is not correct explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: C**



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**287.** Fluoride pollution mainly affects

A. Brain

B. Hert

C. Teeth

D. Kidney.

**Answer: C**



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**288.** CFC is not recommended to be used in refrigerators because they:

- A. Increases temperature
- B. Cause allergic reaction
- C. Deplete ozone
- D. Both A and B

**Answer: C**



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**289.** Third generation pesticides are

A. Pheromones

B. Juvenile hormone analogues

C. Insect repellents

D. Pathogens

**Answer: D**



**Watch Video Solution**

**290.** Ozone hole cause

A. Global warming

B. Reduction in the rate of photosynthesis

C. More ultraviolet rays come to earth

D. All of the above

**Answer: d**



**Watch Video Solution**

**291.** Chlorofluorocarbon (CFC) is mainly responsible for:

A. Reduction in ozone

B. Ozone formation

C. Formation of leghaemoglobin

D. Enhance chlorophyll formation

**Answer: A**



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**292.** The concentration of DDT in the food chain, from lower to higher trophic levels:

- A. Increases
- B. Decreases
- C. Increases or decreases
- D. Remains constant



**Answer: A**



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**293.** Sounds above what level are considered hazardous noise pollution?

A. 180 dB

B. 140 dB

C. 100 dB

D. 80 dB

**Answer: D**



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**294.** DDT is

A. Organophosphates

B. Organochlorine

C. Carbonate

D. Triazine

**Answer: B**



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**295.** Which pesticide is a herbicide

A. Malathion

B. Lindane

C. BHC

D. 2,4-D

**Answer: D**



**Watch Video Solution**

**296.** Allerthrin is

A. Fertilizer

B. Herbicide

C. Growth hormone

D. Insecticide.

**Answer: D**



**Watch Video Solution**

**297.** The soil pollutants that affect the food chain and food web by killing microorganisms and plants are:

A. Chemical fertilizers

B. Agricultural wastes

C. Pesticides

D. Pathogens

**Answer: C**



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**298. NEERI is at**

A. New delhi

B. Nagpur

C. Kolkata

D. Chennai.

**Answer: B**



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**299.** In acid rain,  $SO_2$  accounts for :

A. 1

B. 0.3

C. 0.5

D. 0.7

**Answer: D**



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**300.** Maximum permissible limit of noise as per "Noise Pollution Rules 2000 of India" is:

A. 75 dB

B. 65 dB

C. 55dB

D. 45dB

**Answer: A**



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**301.** CFCs are responsible for:

- A. Acid rain
- B. Ozone layer depletion
- C. Global warming
- D. Thermal inversion

**Answer: B**



[Watch Video Solution](#)



**302.** "Chernobyl" nuclear tragedy occurred on which date?

A. April, 1986

B. August 6, 1945

C. August 9, 1945

D. December 3, 1984

**Answer: A**



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**303.** Insecticides usually act upon

- A. Muscular system
- B. Digestive system
- C. Nervous system
- D. Circulatory system .

**Answer: C**



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**304.** Which one is correct

- A. Herbicides kill plants by blocking PS II

B. Insecticides kill insects through impairment of nerve through sometimes respiratory arrest

C. Both A and B

D. None of the above

**Answer: C**



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**305.** A hyper metal accumulator is

A. *Daucos carota*

B. *Nicotiana tabacum*

C. *Arabidopsis*

D. *Thlaspi geosingensis*

**Answer: C**



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**306.** Criteria for rain water to be called acid rain is for pH:

A. 7

B. 6.5

C. 6

D. 5.6

**Answer: D**



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**307.** Bhopal gas tragedy occurred in:

A. 1982

B. 1984

C. 1986

D. 1988

**Answer: B**



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**308.** In 1984 the Bhopal gas tragedy took place because methyl isocyanate reacted with:

A. DDT

B. Ammonia

C.  $CO_2$

D. Water.

**Answer: D**



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**309.** Lead concentration of blood is considered alarming at

A.  $4 - 6\mu/100$  ml

B.  $10\mu g/100$  ml

C.  $20\mu g/100$  ml

D.  $30\mu g/100$  ml

**Answer: D**



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**310.** The term biomagnification refers to:

- A. Rapid growth to excessive intake of nutrients
- B. Increase in population size
- C. Decrease in population size
- D. increases in concentration of nondegradable pollutants as they pass through food chain.

**Answer: D**



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**311.** Nitrogen oxides produced from the emission of automobiles and power plants are the source of fine air borne particles which lead to:

- A. Dry acid deposition
- B. Photochemical smog
- C. Wet acid deposition
- D. Industrial smog.

**Answer: B**



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**312.** A lake with an inflow of domestic sewage rich in organic waste may result in

- A. Drying up due to algal bloom
- B. Increased fish production due to higher nutrient availability
- C. Death of fish due to oxygen depletion
- D. Increased food web organisation.

**Answer: C**



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**313.** Assertion : Agriculture output increased several times after introduction of DDT.

Reason : DDT was the first insecticide used on a wide scale.

A. If both are true with reason being correct explanation

B. Both true but reason is not correct explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: A**



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**314.** Assertion (A) : Methane component of greenhouse gases contributing to global warming is about 20 per cent.

Reason (R) : Introduction of multi-point fuel injection engines in automobiles has decreased methane content in the exhausts.

A. If both are true with reason being correct explanation

B. Both true but reason is not correct explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: B**



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**315.** Assertion: Suspended particulate matter(SPM) is an important pollutant released by diesel vehicles.

Reason : Catalytic convertes greatly reduce pollution caused by automobiles.

A. If both are true with reason being correct

explanation

B. Both true but reason is not correct

explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: B**



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**316.** Assertion (A) : Presently, the global atmosphere is warming up.

Reason (R): The depletion of stratospheric ozone layer has resulted in increase in ultraviolet radiations reaching the Earth.

A. If both are true with reason being correct explanation

B. Both true but reason is not correct explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: B**



**Watch Video Solution**

**317.** Lead concentration of blood is considered alarming at

A.  $4 - 6\mu/100$  ml

B.  $10\mu g/100$  ml

C.  $20\mu g/100$  ml

D.  $30\mu g/100$  ml

**Answer: D**





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**318.** The Government of India has passed the environment (Protection) Act in the year

A. 1986

B. 1981

C. 1974

D. 1968

**Answer: A**



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**319.** Black lung disease is common in:

A. Farmers

B. workers of petrochemical industry

C. coal miners

D. Refinery workers.

**Answer: C**



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320.  $CO_2$ ,  $CH_4$ ,  $N_2O$  and CFCs are called greenhouse gases because they can absorb:

- A. Ultraviolet radiations
- B. Long wave infra-red radiations
- C. visible light radiations
- D. X-ray radiations

**Answer: B**



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**321.** Which is correct matched ? 1. Arsenic poisoning -Black foot disease. 2. Secondary Effluent treatment-Biological process. 3. Pyrolysis - Solid soil waste disposal. 4. Tubifex -Water pollution indicator. 5. Biomagnification - Degradable pollutants.

A. 1,2,3,5

B. 1,3,4,5

C. 2,3,4,5

D. 1,2,3,4

**Answer: D**



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**322.** Greenhouse effect is the cumulative result of the influences of certain gases. Identify the gas which is not involved in this influence:

- A. Methane
- B. Carbon dioxide
- C. Chlorofluorocarbons
- D. Nitrogen

**Answer: D**



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**323.** Match the columns and find out the correct combinations

	I		II
<i>a</i>	DDT	<i>i</i>	CO, CO <sub>2</sub>
<i>b</i>	PAN	<i>ii</i>	Smog
<i>c</i>	Acid rain	<i>iii</i>	Biological magnification
<i>d</i>	Global warming	<i>iv</i>	SO <sub>2</sub>

A. a-iv,b-iii,c-ii,d-i

B. a-i,b-iii,c-ii,d-iv

C. a-ii,b-iii,c-iv,d-i

D. a-iii,b-ii,c-iv,d-i

**Answer: D**



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**324.** Which one of the following is mismatched ?

- A. Fossil fuel burning -Release of  $CO_2$
- B. Nuclear power-Radiations wastes
- C. Solar energy-Green house effect
- D. Biomass burning -Release of  $CO_2$

**Answer: C**



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**325.** Identify the correctly matched pair

- A. Basel convention -Biodiversity conservation
- B. Kyoto protocol-Climate change
- C. Montreal protocol -Global warming
- D. Ramsar convention -Ground water pollution.

**Answer: B**



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**326.** Which disinfectant cannot be used in drinking water?

A. Chlorine

B. Ozone

C. Chloramine

D. Phenyl

**Answer: D**



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327. Which one of the following statements pertaining to pollutants is correct?

A. DDT is nonbiodegradable pollutant

B. Excess fluoride in drinking water causes osteoporosis

C. Excess cadmium in drinking water may cause black foot disease

D. Methyl mercury in water may causes "itai itai" disease.

**Answer: A**

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**328.** Formation of non-functional mehtaemoglobin causes blue-baby syndrome. This is due to:

- A. Excess of arsenic in drinking water
- B. Excess of nitrate in drinking water
- C. Deficiency of iron in food
- D. Increased methane content in atmosphere.

**Answer: B**



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**329.** A mutagen pollutant is:

A. Organosphosphates

B. Resins

C. Hydrocarbons

D. Nitrogen oxides.

**Answer: C**



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**330.** Excess atmospheric  $CO_2$  increases greenhouse effect as it:

- A. Is opaque to infra-red rays
- B. is not opaque to infra-red rays
- C. Precipitates dust in the atmosphere
- D. Reduces atmospheric pressure.

**Answer: A**



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**331.** Limit of BOD prescribed by Central Pollution Control Board for the discharge of industrial and municipal waste water into natural surface water:

A. It 3.0 ppm

B. It 10 ppm

C. It 30 ppm

D. It 100 ppm

**Answer: C**



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**332.** Montreal protocol which calls for appropriate action to protect the ozone layer from human activities was passed in the year:

A. 1985

B. 1986

C. 1987

D. 1988

**Answer: C**



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**333.** The blue baby syndrome results from

- A. Excess of TDS
- B. Excess of chlorides
- C. Excess of dissolved oxygen
- D. Methaemoglobin

**Answer: D**



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334. Common components of photochemical smog may not contain:

A. PAN

B. Ozone

C. Nitrogen dioxide

D.  $SO_2$

**Answer: D**



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**335.** A nonbiodegradable pollutant is

- A. Newspring
- B. Green leaves
- C. DDT
- D. Cowdung.

**Answer: C**



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**336.** Assertion (A): Deforestation is one main factor contributing to global warming.

Reason (R) : Besides  $CO_2$ , two other gases methane and CFCs are also included under greenhouse gases:

A. If both are true with reason being correct explanation

B. Both true but reason is not correct explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: B**



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**337.** Assertion (A): UV radiation causes photodissociation of ozone into  $O_2$  and O, thus causing damage to the stratospheric change.

Reason (R): Ozone hole is resulting in global warming and climate change.

A. If both are true with reason being correct explanation

B. Both true but reason is not correct explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: D**



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**338.** Assertion (A) : The concentration of methane in the atmosphere has more than doubled in the last 250 years.

Reason (R): Wetlands and rice fields are the major sources of methane.

A. If both are true with reason being correct explanation

B. Both true but reason is not correct explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: B**



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**339.** Assertion : Organochlorine pesticides are organic compounds that have been chlorinated.

Reason: Fenitrothion is one of the organochlorine pesticides.

A. If both are true with reason being correct

explanation

B. Both true but reason is not correct

explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: C**



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**340.** Which one of the following is an environment-related disorder with the correct main cause?

A. Black lung disease is found mainly in workers of stone quarries and crushers.

B. Blue -baby disease is due to heavy use of nitrogenous fertilizers



- C. Non-Hodgkin's lymphoma is found mainly in workers involved in manufacture of neem-based pesticides
- D. Skin cancer occurs mainly in people exposed to benzene and methane.

**Answer: B**



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**341.** The Montreal Protocol refers to:

- A. Substances that deplete ozone layer

B. Persistent organic pollutants

C. Global warming and climate change

D. Biosafety of genetically modified organisms

**Answer: A**



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**342.** Match the columns

	I		II
<i>a</i>	Arsenic	1.	Minamata disease
<i>b</i>	Nitrate	2.	Itai-itai
<i>c</i>	Mercury	3.	Blue-baby syndrome
<i>d</i>	Cadmium	4.	Skeletal fluorosis
<i>e</i>	Fluoride	5.	Black foot disease

A.  $a-5, b-3, c-1, d-2, e-4$

B.  $a-2, b-3, c-5, d-1, e-4$

C.  $a-3, b-4, c-5, d-1, e-2$

D.  $a-5, b-4, c-3, d-2, e-1$

**Answer: A**



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**343.** Which of the following will not control particular pollutants

A. Incinerator

B. Arrestor

C. Scrubber

D. Filter

**Answer: A**



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**344.** Which of the following strategy is not a correct approach to reduce global warming ?

A. Developing substitutes of chlorofluorocarbons

- B. Increasing use of air conditioners, refrigerator units and production of plastic foams and propellants in aerosol spray cans
- C. Minimising use of nitrogen fertilizers in agriculture for reducing nitrogen oxide emission
- D. Increasing vegetation cover, particularly forest, for photosynthetic utilisation of  $CO_2$

**Answer: B**



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**345.** Act formulated in 1986

A. The insecticide Act

B. The Environmental (protection ) Act

C. The water (Prevention and control of  
Pollution) Act

D. The Air(Prevention and control of  
pollution ) act

**Answer: B**



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**346.** High amount of esherichita coli in water is an indicator of

- A. Hardness of water
- B. Industrial pollution
- C. Sewage pollution
- D. Presence of chlorine in water.

**Answer: C**



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**347.** Find out incorrect statements in relation to pollution

A. Plastic is nondegradable pollutant

B. Water vapours, smoke fumes and dust mixture forms smog

C. PAN affects photosynthesis

D. Ozone layer forms protective shield to ionosphere.

**Answer: D**



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**348.** Eutrophication of water bodies leading to killing of fishes is mainly due to non-availability of:

- A. Non-availability of oxygen
- B. Non-availability of light
- C. Non-availability of food
- D. Non-availability of essential minerals.

**Answer: A**



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**349.** Process by which insecticides like DDT reach man is

- A. Bioaccumulation
- B. biomagnification
- C. Bioremediation
- D. Eutrophication.

**Answer: B**



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**350.** Black-foot disease is caused by ground water contaminated with:

- A. Nitrate
- B. Fluoride
- C. Arsenic
- D. Sulphur

**Answer: C**



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### 351. Match the column

<i>Column-I</i>		<i>Column-II</i>	
<i>a</i>	Nitrous oxide	1	Secondary pollutant from car exhausts
<i>b</i>	Chlorofluorocarbons	2.	Combustion of fossil fuels
<i>c</i>	Methane	3	Denitrification
<i>d</i>	Ozone	4.	Refrigerators aerosols, sprays
<i>e</i>	Carbon dioxide	5.	Cattle, rice fields, toilets

A. a-3,b-4,c-5,d-1,e-2

B. a-5,b-1,c-3,d-4,e-2

C. a-1,b-3,c-4,d-5,e-2

D. a-2,b-4,c-5,d-1,e-3

**Answer: A**

352. It is used in refrigerator and air conditioners and it is a source of  $Cl^-$  :

- A. Benzene
- B.  $CH_4$
- C. Benzopyrene
- D. Freon.

**Answer: D**

**353.** This pollutant causes burning sensation of throat and eyes and also vomiting:

A. Hydrogen cyanides

B. Arsenic

C. Hydrogen sulphides

D. Sulphure

**Answer: C**



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**354.** Air pollution is not reduced by

A. Using precipitators

B. Resusing wastes

C. Cleaning air

D. all the above

**Answer: D**



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**355.** Gastrointestinal problems are caused by

- A. Acid rain
- B. Water pollutant
- C. Soil pollution
- D. Sound production

**Answer: B**



**Watch Video Solution**

**356.** Checking of radiating heat by atmospheric dust, water vapour, ozone,  $CO_2$  etc., is known as:

- A. Ozone layer effect



B. Radioactive effect

C. Green house effect

D. Solar effect.

**Answer: C**



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**357.** Which one is employed for clearing oil spillage

A. Escherichia coli

B. Streptococcus

C. *Bacillus thuringiensis*

D. *Pseudomonas*.

**Answer: D**



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**358.** Ozone hole results in:

A. UV radiations reaching earth

B. Number of cataracts

C. Skin cancers

D. All the above

**Answer: D**



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**359.** Ultraviolet radiations from sunlight causes a reaction that produces:

A. Ozone

B.  $SO_2$

C. CO

D. Fluorides

**Answer: A**



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**360.** Which of the following metals causes harmful effects?

A. Lead

B. Cobalt

C. Uranium

D. All of the above

**Answer: D**



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**361.** Ozone is spread in the swimming pool because:

- A. Absorbs UV radiations
- B. Acts as disinfectant
- C. Easily available from  $O_2$
- D. All the above

**Answer: B**



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**362.** Anthracosis is caused by

A. Iron dust

B. coal dust

C. Cane fibre

D. Silica.

**Answer: B**



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**363.** In kyoto protocol, all nations agreed to reduce emission of green house gases by

A. 2008

B. 2010

C. 2012

D. 2018

**Answer: C**



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**364.** In 2002 AD, CFC concentration of atmosphere was

- A. 261 ppt
- B. 326 ppb
- C. 1750 ppb
- D. 368 ppm.

**Answer: A**



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**365.** Which is correct ascending arrangement of BOD of sewage (S) distillery effluent (DE). Paper mill effluent (PE) and sugar mill effluent (SE)

A. SEltPEltSltdE

B. PEltSltdSEltDE

C. SltdDEltPEltSE

D. SEltSltdPEltDE

**Answer: B**



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**366.** In coal fired power plants, electrostatic precipitators are fitted to control emission of

A.  $NO_x$

B. CO

C. SPM

D.  $SO_2$

**Answer: C**



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**367.** Which is correct

A. Both Azotobacter and Rhizobium fix atmospheric nitrogen in root nodules of plants

B. Cyanobacteria, Anabaena and Nostoc are mobilizers of phosphates and plant nutrition in soil

C. At present it is not possible to grow maize without chemical fertilizers

D. Excessive use of chemical fertilizers may lead to eutrophication of nearby water bodies.

**Answer: D and A**



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**368.** Which is not a bioindicator of water pollution

- A. Blood worms
- B. Stone flies
- C. Sewage fungus
- D. Sludge worms.

**Answer: B**



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**369.** High value of BOD (Biochemical Oxygen Demand) indicates that:

- A. Highly polluted water
- B. Less pollution in water
- C. Less sewage
- D. Less microorganisms.

**Answer: A**



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**370.** Acid rain occurs above the areas where :

- A. There is excess release of  $NH_3$  and coal gas
- B. Factories are expelling  $SO_2$  into air
- C. There is excess production of  $CO_2$  due to excessive combustion and respiration
- D. There is excess production of gaseous hydrocarbons

**Answer: B**



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**371.** Which is incorrect

- A. Noise pollution does not have any residue
- B. Noise pollution creates nervous disorder
- C. Plants absorb noise of low frequency
- D. Loss of hearing is common disorder.

**Answer: C**



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**372.** Pollution caused by persistent pesticides is relatively more dangerous to which type of

organisms?

- A. Herbivores
- B. Produces
- C. First level carnivores
- D. Top carnivores.

**Answer: D**



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**373.** Which of the following is not properly matched?



- A. Formaldehyde -carcinogenic
- B. Sulphur dioxide- respiratory problems
- C. Nitrogen oxide-brown air
- D. Mean annual temperature- $25^{\circ}C$

**Answer: D**



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**374.** Gaseous pollutants can be controlled by:

- A. Adsorption
- B. ESP

C. Arrestors

D. Purolysis

**Answer: A**



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**375.** It is estimated that out of the total global warming the relative contribution of  $CO_2$ ,  $CH_4$  CFCs and  $N_2O$  are found respectively as:

A. 20%,14%,60%,6%

B. 14%,6%,20%,60%

C. 60%,20%,14%,6%

D. 6%,14%,20%,60%

**Answer: C**



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**376.** Arrange the following options in ascending order of their BOD value:

1. Sample of highly polluted pond water.
2. Sample from unpolluted pond water.
3. Distilled water.

A. b-c-a

B. c-b-a

C. c-a-b

D. a-c-b

**Answer: B**



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**377.** Which one causes degradation of RBC ?

A. Hydrocarbons

B. Sulphur compounds

C. Ammonia

D. Arsenic compound.

**Answer: D**



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**378.** Enzymatic filters are used for removing

A. Nitrogen pollutants

B. Chloride pollutants

C. Hydrocarbons

D. Lead

**Answer: C**



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**379.** Freon gas causing stratospheric  $O_3$  depletion is mainly released from :

- A. Refrigerators
- B. Automobiles
- C. Thermal power plants
- D. Steel industry.

**Answer: A**



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**380.** Correct percentage of two green house gases is

A.  $N_2O$  – 6 % ,  $CO_2$  – 86 %

B.  $CH_4$  – 20 % ,  $N_2O$  – 18 %

C.  $CO_2$  – 40 % ,  $CFC$  – 30 %

D.  $CFC$  – 14 % ,  $CH_4$  – 20 %

**Answer: D**



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**381.** Eutrophication is excess growth of

- A. Bryophytes
- B. Algae and aquatic plants
- C. Gymnosperms
- D. Pteridophytes.

**Answer: B**



**Watch Video Solution**

**382.** Which one is non-biodegradable



A. DDT

B. Sewage

C. Livestock waste

D. Market garbage.

**Answer: A**



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**383.** Cause of decline in population of reptiles and birds is

A. Bioinsecticides

B. Biofertilizers

C. DDT

D. Both A and B

**Answer: C**



**Watch Video Solution**

**384.** Day time sound level in silent zone is

A. 20dB

B. 40dB

C. 50dB

D. 70dB

**Answer: C**



**Watch Video Solution**

**385.** In treatment of waste, biological treatment is

- A. Primary treatment
- B. Secondary treatment
- C. Tertiary treatment
- D. Reverse osmosis stage.

**Answer: B**



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**386.** Increase in atmospheric temperature due to  $CO_2$  is called :

- A. Pasteur effect
- B. Blackman effect
- C. Emersion effect
- D. Green-house effect

**Answer: D**



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**387.** World Summit on Sustainable Development, 2002 was held in

A. South Africa

B. Brazil

C. Argentina

D. Sweden.

**Answer: A**



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**388.** A lake near a village suffered heavy mortality of fishes within a few days. Which of the following statements could be the correct explanation for this ?

(i) Lots of urea and phosphate fertilisers were used in the crops in the nearby fields.

(ii) The croplands of the village were fertilised fields rich in nitrate and phosphate.

(iii) The lake water turned green and stinky.

(iv) Phytoplankton populations in the lake declined initially thereby greatly reducing photosynthesis.

A. a,b

B. a,c

C. b,c

D. c,d

**Answer: B**



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**389.** According to the Central Pollution Control Board, particles that are responsible for causing great harm to human health are of diameter

A. 1.0 or less

B. 1.5 or less

C. 2.5 or less

D. 5.2-2.5

**Answer: C**



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**390.** One of the following acts as secondary pollutants

A. Br

B.  $NO_2$



C.  $HNO_3$

D.  $Cl_2$

**Answer: C**



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**391.** If global warming continues, the organism which may face more severe threat is:

A. Banana

B. Dolphin

C. Cow

D. Snow Leopard

**Answer: D**



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**392.** Which of the following is a green house gas

A. Methane

B. CO

C. water vapour

D. Oxygen

**Answer: A**



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**393.** The first biocide used on a large scale was

- A. Boreaux mixture
- B. DDT
- C. Thurioside
- D. Benzene hexachloride.

**Answer: B**



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**394.** Green house effect is increasing due to

A. High concentration of  $NO_2$

B. High concentration of  $SO_2$

C. High concentration of  $CO_2$

D. High concentration of CO

**Answer: C**



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**395.** Biomagnification of DDT in an aquatic food chain starting from water having a concentration of 0.003 ppb may go, in fish eating birds, upto:

- A. 100 ppm
- B. 50 ppm
- C. 25 ppm
- D. 2 ppm

**Answer: C**



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**396.** "Itai-Itai" ("ouch-ouch") disease is caused by the poisoning of:

A. Hg

B. Pb

C. As

D. Cd.

**Answer: D**



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**397.** The intensity levels of whispering noise is:

A. 10-15 dB

B. 20-40 dB

C. 40-50dB

D. 50-55dB

**Answer: B**



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**398.** Which is not an air pollutants ?

A. Phosphate

B. Hydrocarbons

C. Carbon monoxide

D. All of the above

**Answer: D**



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**399.** An efficient device to eliminate particulate matter from industrial emission is

A. Pyrolysis

B. Cyclone separators

C. Incineration



## D. Electrostatic precipitators

**Answer: D**



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**400.** Which of the following statements are correct ?

- (i) Benzene hexachloride (BHC) is a non-biodegradable pollutant.
- (ii) Anthropogenic air pollutants are natural in origin.
- (iii) Carbon monoxide is a primary air pollutant.

(iv) Sulphur dioxide causes brown air effect during traffic congestion in cities.

A. a,b

B. a,c

C. b,c

D. c,d

**Answer: B**



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**401.** Which is more hazardous to human health ?

A. Pyrethrum

B. DDT

C. Rotenone

D. Humulin.

**Answer: B**



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**402.** UNEP stands for

A. United nations Ecotype Programme

B. United nations ecolgocal programme

C. United Nations Educations Programme

D. United Nations Environment Programme.

**Answer: D**



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**403.** Pesticides are considered as hazardous because they

A. Persist in environment

B. Do not enter food chain

C. Affect target organism only

D. Do not kill natural enemy populations .

**Answer: A**



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**404.** Depletion of ozone is mainly due to

A.  $CO_2$

B. CFC

C.  $SO_2$

D.  $CH_4$ .

**Answer: B**



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**405.** Which is correct about statements X and Y  
statement X. DDT shows biological magnification

Statement Y : UV radiations causes ozone  
depletion .

A. X and Y both correct, Y is proper explanation  
of X

B. X and Y both correct, Y is not proper  
explanation of X

C. X is correct, Y is not correct

D. X is not correct, Y is correct.

**Answer: C**



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**406.** What is true about statements X and Y  
statement X. Deforestation causes global  
warming.

Statement -Y: Deforestation increases level of  
green house gas  $CO_2$  in atmosphere.

A. X is correct, Y is wrong

B. X and Y both correct but Y is correct  
explanation

C. X and Y both correct but Y is not correct  
explanation

D. X and Y both are wrong

**Answer: C**



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**407.** Steps taken by government of India in controlling air pollution are

- A. Compulsory mixing of 20% ethyl alcohol in petrol and 20% biodiesel in diesel
- B. Use of CNG as fuel by buses and trucks
- C. compulsory PUC certification of petrol driven vehicles which test for CO and hydrocarbons
- D. Permission to use only pure diesel with a maximum 500 ppm sulphure.

**Answer: C**

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**408.** Biochemicals oxygen demands in a river water

A. Remains unchanged when algal bloom occurs

B. Increases when sewage gets mixed up with river water

C. Has no relationship with concentration of oxygen in water

D. Gives a measure of salamonella in water.

**Answer: B**



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**409.** DDT residues are rapidly passed through food chain causing biomagnification because DDT is

- A. Water soluble
- B. Moderately toxic
- C. Liposoluble
- D. Nontoxic to aquatic animals

**Answer: C**



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**410.** Global agreement in specific control strategies to reduce the release of ozone depleting substances was adopted by:

- A. Vienna convention
- B. Rio de Janeiro conference
- C. Kyoto protocol
- D. Montreal protocol.

**Answer: D**



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**411.** Damage to Taj Mahal is being caused by :

- A. Acid rain
- B. Dust
- C. Global warming
- D. Smoke.

**Answer: A**



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**412.** BOD level in fresh water should not exceed beyond:

A. 5 ppm

B. 10 ppm

C. 24 ppm

D. 50 ppm

**Answer: A**



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**413.** In human body, the chlorinated hydrocarbons keep on accumulating in:

A. Bones

B. Brain

C. Fatty tissue

D. Skin.

**Answer: C**



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**414.** The purpose of biological treatment of water  
-water is to

- A. Reduce sedimentation
- B. Increases sedimentation
- C. Reduce BOD
- D. Increase BOD

**Answer: C**



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**415.** In which year Air (Prevention and Control of Pollution) Act was amended to include noise as an air pollutant?

A. Dust

B. Noise

C. Water

D. None of the above

**Answer: B**



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**416.**  $CO_2$  content of atmosphere has increased in the last 150 years from

- A. 200 ppm to 300 ppm
- B. 350 ppm to 450 ppm
- C. 280 ppm to 370 ppm
- D. 120 ppm to 280 ppm

**Answer: C**



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**417.** In a polluted environment, the maximum pollutant will occur in:

- A. Primary producers
- B. Tertiary consumers
- C. Secondary consumers
- D. Primary consumers.

**Answer: B**



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**418.** Biomagnification is highest in

- A. Primary consumers
- B. Secondary consumer
- C. Producers
- D. Consumers.

**Answer: B**



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**419.** The BOD of an eutrophic lake will be:

A. lower

B. moderate

C. Higher

D. Same as any other lake.

**Answer: C**



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**420.** One greenhouse gas contributes 14% to total global warming and another contributes 6%.

These are respectively identified as:

A.  $NO_2$  and  $CO_2$

B. CFC and  $N_2O$

C. Methan and  $CO_2$

D. Methane and CFCs

**Answer: B**



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**421.** Increase in concentration of the toxicant at successive trophic levels is known as:

A. Algal bloom

B. biomagnification

C. Eutrophication

D. Accelerated eutrophication

**Answer: B**



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**422.** The thickness of ozone in a column of air from the ground to the top of the atmosphere is measured in terms of:

A. Decibel units

B. Pascal units

C. Svedber units

D. Dobson units

**Answer: D**



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**423.** Biomagnification of DDT causes decline in bird population by:

A. Bringing disturbance in calcium methabolism



B. Thinning of egg shell

C. Premature breaking of eggs

D. All the above

**Answer: D**



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**424.** Ecological sanitation is a sustainable system for handling human excreta, using dry composting toilets. Such 'EcoSan' toilets are working in many areas of:

A. Assam and west bengal

B. Kerala and Sri lanka

C. Maharashtra and Andhra pradesh

D. Karnataka and Sri lanka

**Answer: D**



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**425.** Appropriate measures to reduce overall greenhouse gs emissions are the commitments of the :

- A. Kyoto protocol
- B. Montreal protocol
- C. Environment Act
- D. Earth summit.

**Answer: A**



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**426.** When domestic sewage mixes with river water

- A. Small animals like rats will die after drinking  
river water

- B. The increased microbial activity releases micronutrients such as iron
- C. The increased microbial activity uses up dissolved oxygen
- D. The river water is still suitable for drinking as impurities are only about 0.1%

**Answer: C**



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427. The two gases making highest relative contribution to the greenhouse gases are:

A.  $CH_4$  and  $N_2O$

B. CFCs and  $N_2O$

C.  $CO_2$  and  $NO_2$

D.  $CO_2$  and  $CH_4$

**Answer: D**



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**428.** dB is a standard abbreviation used for the quantitative expression of :

- A. A particular pollutants
- B. The dominant Bacillus in a culture
- C. A certain pesticide
- D. The density of bacteria in a medium.

**Answer: A**



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**429.** Which pollutant causes the following effects?

1. Causes dryness to throat
2. Causes damage to neuron
3. Causes headache, blurred vision

A. Hydrocarbons

B. Hydrogen sulphide

C. Hydrogen flouride

D. Hydrogen cyanide.

**Answer: D**



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**430.** Which one of the following is called as 'indicator species' for polluted waters:

- A. Tubifex
- B. Phytoplankton
- C. Zooplankton
- D. Prawn.

**Answer: A**



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**431.** Most toxic product of vehicle pollution is:

A. Pb

B.  $CO_2$

C. CO

D.  $NO_x$ .

**Answer: A**



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**432.** The most famous pesticide of world is

A. 2,4-D

B. 2,4,5-T

C. DDT

D. PAN

**Answer: C**



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**433.** In which year Air (Prevention and Control of Pollution) Act was amended to include noise as an air pollutant?

A. 1972

B. 1981

C. 1987

D. 1990

**Answer: C**



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**434.** Calcium metabolism in birds gets disturbed due to the effect of:

A. Mercury

B. Cadmium

C. DDT

D. Lead

**Answer: C**



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**435.** Match the items of column I and Column II and select the correct combination

<i>Column—I</i>		<i>Column—II</i>	
<i>a</i>	Electrostatic precipitator	<i>p</i>	Removes gases like $\text{SO}_2$
<i>b</i>	Scrubber	<i>q</i>	Reduces automobile emission
<i>c</i>	Catalytic converter	<i>r</i>	Removes particulate matter

A. a-q,b-r,c-p

B. a-r,b-q,c-p

C. a-r,b-q,c-r

D. a-r,b-p,c-q

**Answer: D**



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**436.** At present, the concentration of  $CO_2$  in the atmosphere is about:

- A. 100ppm
- B. 240ppm
- C. 380 ppm
- D. 520 ppm

**Answer: C**



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**437.** Eutrophication of often seen in:

A. Oceans

B. Moutains

C. Deserts

D. Fresh water lakes

**Answer: D**



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**438.** Which is wrong about Bhopal tragedy

- A. Radioactiv fallout engulfed Bhopal
- B. Methyl isocyanate gas leakage took place
- C. Throusands of human beings died
- D. IT took place in the night of december 2/3

1984

**Answer: A**



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**439.** Which one is correct



- A. Catalytic converter can precipitate particular matter of less than  $2.5 \mu\text{m}$
- B. Histones are acidic and form core of DNA packing
- C. Template with  $3' \rightarrow 5'$  polarity shows continuous DNA replication
- D. Lactobacillus is not present in dough used for idli preparation.

**Answer: A**



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440. Catalytic converter used for controlling pollution is used in

- A. Increases mileage
- B. Convert  $CO_2$  to carbonate
- C. Increase efficiency of lead petrol
- D. Convert CO to  $CO_2$

**Answer: D**



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**441.** Assertion: Amount of biodegradable organic matter present in water is measured by BOD of water

Reason: During biodegradation of organic compounds. Oxygen is released

A. If both are true with reason being correct explanation

B. Both are true but reason is not correct explanation

C. assertion is true but reason is wrong

D. both are wrong

**Answer: C**



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**442.** Assertion: Algal blooms occur in nutrient poor water.

Reason: Algal blooms make water unfit for human consumption but cause enormous growth of fish.

A. If both are true with reason being correct

explanation

B. Both are true but reason is not correct

explanation

C. assertion is true but reason is wrong

D. both are wrong

**Answer: D**



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**443.** In an area where DDT had been used extensively, the population of birds declined significantly because:

A. Birds stopped laying eggs

B. Earthworms disappeared

C. Cobras started feeding on birds

D. Many bird eggs did not hatch.

**Answer: D**



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**444.** Which is wrong

A. Most forests have been lost in tropical areas

B. Greenhouse effect is natural phenomenon

C. Ozone in upper part of atmosphere is harmful to animals

D. Eutrophication is natural phenomenon in fresh water bodies.

**Answer: C**



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**445.** For clean environment , which one is not essential

A. Producer

B. Polluter

C. Consumer

## D. Decomposer

**Answer: B**



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**446.** Which greenhouse gas contributes 20% of global warming

A. Methane

B.  $N_2O$

C. CFCs

D.  $CO_2$



**Answer: A**



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**447.** If a water body is contaminated with toxicant , its biomagnification will be more marked in

- A. Plankton
- B. Small fish
- C. Birds
- D. Water

**Answer: C**



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**448.** In domestic sewage, suspended solids, colloidal and dissolved materials constitute

A. 0.1

B. 0.056

C. 0.027

D. 0.001

**Answer: D**



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**449.** Consider the following statements with respect to pollution.

A. To control air pollution problems, by the end of 2002 all the buses of Delhi were converted to run on unrelated petrol

B. Electrostatic precipitator can remove over 99% particulated matter present in the exhaust from a thermal power plant.

C. It is possible to estimate the amount of organic matter in sewage water by measuring BOD.

Of the above statements:

A. b and c correct

B. a alone correct

C. b alone correct

D. c alone correct

**Answer: A**



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**450.** Which of the following strategy is not a correct approach to reduce global warming ?

A. Cutting down use of fossil fuel

B. Reducing deforestation

C. Improving efficiency of energy use

D. Cutting trees and increasing growth of human population

**Answer: C**



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**451.** Find the correct order of biomagnification of DDT in an aquatic food chain:

A. Water -0.003 ppm, zooplankton -0.5 ppm, small fish -0.04 ppm, large fish -2 ppm, fish

eating birds -25 ppm

B. Water-0.003 ppm , zooplankton-0.04 ppm,

zooplankton -0.5 ppm , large fish -2ppm, fish

eating birds -25 ppm

C. Water-0.003 ppm, small fish-0.04 ppm,

zooplankton-0.5 ppm, large fish-2 ppm, fish

eating birds -25 ppm .

D. Water-0.003 ppm, fish eating birds-25 ppm,

zooplankton -0.5 ppm , small fish -0.04 ppm,

large fish -2.5 ppm

**Answer: B**



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**452.** A nonbiodegradable pollutant is

- A. Sulphur dioxide
- B. Oxides of nitrogen
- C. Lead vapour
- D. Sewage.

**Answer: C**



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**453.** Carbon dioxide is called greenhouse gas because it is :

- A. It emits light
- B. It traps infra red radiations
- C. It traps ultraviolet radiations
- D. It is involved in photosynthesis.

**Answer: B**



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**454.** Cattle ranches are known to cause acute green house effect. This is due to

- A. Methanogenic bacteria in rumen
- B. Mechanised milking practices
- C. Decomposition of organic remains in faces
- D. Decomposition of left over fodder.

**Answer: A**



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455. Select the correct statements about particularly matter

- A.  $10\mu m$  size creates severe lung damage
- B. more than  $2.5\mu m$  gets trapped in lungs and causes problems
- C. Less than  $2.5\mu m$  penetrates deep into lungs
- D. None of the above

**Answer: C**



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**456.** Slash and burn agriculture is the other name of :

- A. Organic farming
- B. Step forming
- C. Crop rotation
- D. Jhum cultivation

**Answer: D**



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**457.** Exposure of UV radiations causes

- A. Formation of thymine dimers
- B. Addition of base pairs
- C. Deletion of base pairs
- D. Methylation of bases.

**Answer: A**



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**458.** The highest amount of  $CO_2$  is evolved from

A. Ocean

B. Rivers

C. Ponds

D. Forests

**Answer: A**



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**459.**  $O_3$  in ozone layer is formed by action of

A. IR radiations

B. Blue radiations

C. UV radiations

D. Other radiations

**Answer: C**



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**460.** Maximum damage to forest cover is caused by

A. Edaphic factors

B. Climatic factors

C. Biotic factors

D. Physiographic factors.

**Answer: C**



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**461.** Which of the following cause photochemical smog?

A.  $O_3$

B.  $CO_2$

C.  $CH_4$

D.  $SO_2$

**Answer: A**



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**462.** Kyoto Protocol was endorsed at:

A. CopP-4

B. CoP-3

C. CoP-5

D. CoP-5

**Answer: B**



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**463.** The Air Prevention and Control of Pollution Act came into force in:

A. 1990

B. 1975

C. 1981

D. 1985

**Answer: C**



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**464.** Global warming can be controlled by:

- A. Increasing deforestation, reducing efficiency of energy use
- B. Reducing deforestation, cutting down use of fossil fuel
- C. Reducing deforestation, increasing use of fossil fuel
- D. Increasing deforestation, slowing down the growth of human population .

**Answer: B**

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**465.** Which is not correct about harmful effect of SPM of  $2.5 \mu\text{m}$  or less

- A. It can directly enter our circulatory system
- B. It can causes inflammation and damage to the lungs
- C. It can be inhaled into lungs
- D. It can cause respiratory problems.

**Answer: A**



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**466.** The second commitment period for kyoto protocol was decided at

A. Bali

B. Doha

C. Cancum

D. Durban

**Answer: D**



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**467.** Climate of the world is threatened by

- A. Increasing amount of atmospheric  $CO_2$
- B. Decreasing amount of atmospheric  $CO_2$
- C. Increasing concentration of atmospheric  $O_2$
- D. Decreasing amount of atmospheric  $O_2$

**Answer: A**



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**468.** Biochemical oxygen demand measures:

- A. Industrial pollution
- B. Air pollution
- C. Dissolved oxygen required for decomposers
- D. Pollution capacity of effluents

**Answer: C**



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**469.** Knock Knee' syndrome occurs due to the pollution of :

- A. Heavy metals

B. Fluorides

C. Nitrates

D. Phosphates

**Answer: B**



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**470.** Which is indicator of industrial pollution

A. Biston belularia

B. Chamaeleon

C. Lichen

D. Begnal tiger.

**Answer: C**



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**471.** Gases that are commonly known as green house gases:-

A.  $CO_2$  and  $CH_4$

B.  $NO_2$  and CFCs

C. ozone

D. All the above



**Answer: D**



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**472.** Which is matched for composite waste

- A. Waste clothing, waste plastics such as toys
- B. Waste clothing, rocks
- C. Toys, green waste
- D. Toys, bottles, paper.

**Answer: A**



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**473.** Deforestation means

- A. Growing plants and trees in an area where there is no forest
- B. Growing plants and trees in an area where the forest is removed
- C. Growing plants and trees in a pond
- D. Removal of plants and trees.

**Answer: D**



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**474.** A large quantity of urban sewage is drained to a nearby river. Which among the given conditions would happen after mixing of sewage into the river

(i) BOD of receiving water body increases

(ii) DO of receiving water body decreases

(iii) It will not cause mortality among fishes and other aquatic creatures.

(iv) It will lead to nutrient enrichment of receiving water body

A. I,ii and iii

B. I,ii, and iv

C. ii and iii

D. iii and iv

**Answer: B**



**Watch Video Solution**

**475.** It has been recommended that storage of nuclear waste after sufficient pretreatment should be done in suitably shielded containers buried within rocks about

A. 50 m deep

B. 100 m deep below ocean bed

C. 75 m deep

D. 500 m deep

**Answer: D**



**Watch Video Solution**

**476.** Catalytic converters are fitted in to automobiles for reducing emission of poisonous gases, having expensive metals namely.

A. cadmium and Rhodium

B. Platinum, palladium and rhodium

C. Lead and Cadmium

D. copper and cadmium

**Answer: B**



**Watch Video Solution**

**477.** Which one is not an advantage of CNG over diesel

A. Burns more efficiently

B. It is cheap

C. Cannot be siphoned off by thieves

D. Cannot be adulterated

**Answer: D**



**Watch Video Solution**

**478.** One greenhouse gas contributes 14% to total global warming and another contributes 6%.

These are respectively indentified as:

A.  $N_2O$  and  $CO_2$

B.  $N_2O$  and CFCs

C. CFCs and methane

D.  $N_2O$  and methane

**Answer: D**



**Watch Video Solution**

**479.** A citizen group called ' Friends of Arcata Marsh' (FOAM) belong to

A. Germany

B. U.S.A.



C. Canada

D. U.K.

**Answer: B**



**Watch Video Solution**

**480.** The prime contaminants in lakes eutrophied by sewage and agriculture wastes are:

A. Sulphates and phosphates

B. Nitrates and sulphates

C. Nitrates and phosphates

D. Nitrates and carbonates.

**Answer: C**



**Watch Video Solution**

**481.** Water Hyacinth is termed as 'terror of Bengal' it causes death of fish because it.

A. Covers water surface and inhabits sunlight to pass through

B. Drains oxygen from water that causes oxygen deficiency

C. Absorbs nutrients from water that causes malnutrition

D. Releases  $CO_2$  in huge amount which is lethal to fish.

**Answer: B**



**Watch Video Solution**

**482.** With the rise of water temperature, dissolved oxygen:

- A. Remains unchanged when algal bloom occurs
- B. Increases in amount
- C. Decreases in amount
- D. Is more available to aquatic organisms.

**Answer: C**



**Watch Video Solution**

**483.** Kyoto protocol' is a multinational international treaty for:

- A. Phasing out green house gas
- B. Controlling ozone destroying substances
- C. Managements of hazardous wastes
- D. Conservation of biodiversity.

**Answer: A**



**Watch Video Solution**

**484.** Main cause of eutrophication is:

- A. Fluctuation of temperature
- B. Unusual growth of aquatic vegetation

C. Enrichment of nutrients

D. Abundance of microorganisms

**Answer: C**



**Watch Video Solution**

**485.** If there was no carbon dioxide in the Earth's atmosphere, the temperature of Earth's surface would be :

A. Same as the present level

B. more than the present level

C. Less than the present level

D. Dependent on  $O_2$  content of atmosphere.

**Answer: C**



**Watch Video Solution**

**486.** Afforestation is :

A. Restoring a forest

B. Plantation in barren land

C. Cultivation of under agriculture

D. Jhum cultivation

**Answer: B**



**Watch Video Solution**

**487.** One of the following is not a possible reason for use of CNG in automobiles:

- A. It can be adulterated
- B. It is cheaper than petrol
- C. It burns more efficiently
- D. It reduce pollution.

**Answer: A**





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**488.** Which of the following statements does not apply to eutrophication?

A. It is natural ageing of lake by nutrient enrichment of its water

B. In a young lake the water is cold and clear and supports less life

C. The nutrients such as sulphur and phosphorous encourage the growth of aquatic organisms in the lake

D. Pollutants released by man radically accelerated the ageing process of a lake

**Answer: B**



**Watch Video Solution**

**489.** A scrubber in the exhaust of a chemical industrial plant removes:

A. Particulate matter of the size of 5.0 micrometer or above

B. Gases like ozone and methane

C. Particulate matter of the size of 2.5 micrometer or less

D. Gases like sulphur dioxide.

**Answer: D**



**Watch Video Solution**

**490.** Plants do not get benefits from

A.  $N_2$  in air

B.  $O_2$  in air

C.  $CO_2$  in air

D.  $O_3$  in air

**Answer: D**



**Watch Video Solution**

**491.** Photochemical smog formed in congested metropolitan cities mainly consists of :

A. Ozone, peroxyacyl nitrate and  $NO_x$

B. smokes peroxyacyl nitrate and  $SO_2$

C. hydrocarbons ,  $SO_2$  and  $CO_2$

D. Hydrocarbons, ozone and  $SO_x$

**Answer: A**



**Watch Video Solution**

**492.** Assertion : Secondary air pollutants are formed by interaction among primary pollutants and are more toxic

Reason: DDT is secondary air pollutants

A. If both are true with reason being correct

explanation

B. Both true but reason is not correct

explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: C**



**Watch Video Solution**

**493.** Assertion : BOD of river polluted by sewage is more than 20 ppm.

Reason: Polluted river contains excess of organic matter.

A. If both are true with reason being correct explanation

B. Both true but reason is not correct explanation

C. assertion is true but reason is wrong

D. Both are wrong

**Answer: A**



**Watch Video Solution**

**494.** Assertion: Presence of large amounts of nutrients in water body causes excessive growth of planktonic algae.

Reason : It is due to biomagnifications

- A. If both are true with reason being correct explanation
- B. Both true but reason is not correct explanation
- C. assertion is true but reason is wrong
- D. Both are wrong



Answer: C



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495. Match the columns and find the correct option

(a) Emphysema	(i) Increase in concentration of nonbiodegradable substances in food chains
(b) ADA deficiency	(ii) $\alpha$ -1 antitrypsin
(c) Eutrophication	(iii) Bone marrow transplantation
(d) Biomagnification	(iv) Nutrient enrichment of water body.

A. a-iii,b-ii,c-iv,d-i

B. a-ii,b-iii,c-iv,d-i

C. a-ii,b-iv,c-I,d-iii

D. a-iv,b-ii,c-iii,d-i

**Answer: B**



**Watch Video Solution**

**496.** Match the following and find the correct option

(a)	Mercury	(i)	Plumbism
(b)	Lead	(ii)	Minimata
(c)	Cadmium	(iii)	Itai-itai
(d)	Hydrocarbon	(iv)	Cancer

A. a-ii,b-I,c-iii,d-iv

B. a-I,b-ii,c-iii,d-iv

C. a-ii,b-iii,c-I,d-iv

D. a-ii,b-I,c-iv,d-iii

**Answer: A**



**Watch Video Solution**

**497.** Match the columns and find the correct option

(a) Photochemical smog	(i) Itai-itai disease
(b) Arsenic pollution	(ii) Parkinson's disease
(c) Manganese pollution	(iii) Black foot disease
(d) Cadmium pollution	(iv) Burning of petrol and diesel with oxides of nitrogen

A. a-iv,b-ii,c-iii,d-i

B. a-iv,b-iii,c-ii,d-i

C. a-iv,b-iii,c-i,d-ii

D. a-iv,b-i,c-ii,d-iii

**Answer: B**



**Watch Video Solution**

**498.** Green house effect is due to

- A. Accumulation of  $O_3$  has depletion of  $O_2$
- B. Accumulation of  $O_3$  and  $CO_2$
- C. Depletion of  $CO_2$  and  $O_3$
- D. Accumulation of green plants.

**Answer: B**



**Watch Video Solution**

**499.** Now-a-days use of DDT as insecticide is banned because

- A. It is less effective than other pesticides
- B. Organisms develop resistance to it
- C. Production cost is vary high
- D. It has long residual effect.

**Answer: D**



**Watch Video Solution**

**500.** Which of the following would most likely help to snow down the greenhouse effect?

A. Promoting the use of private rather than public transport

B. Redesigning land fill dumps to allow methane to be collected

C. Ensuring that all excess dumps to allow methane to be collected

D. Converting tropical forests into grazing land for cattle .

**Answer: B**



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**501.** Green house crops such as tomatoes and bell pepper produce higher yields. This is due to

- A. Tomatoes and bell pepper are not  $C_3$  plants
- B. Due to diffused light in green house
- C.  $CO_2$  is limiting factor to photosynthesis
- D.  $CO_2$  enriched atmosphere leads to higher yeild



**Answer: D**



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**502.** The polluting strength sewage is usually characterized by its:

- A. BOD
- B. Ozone content
- C. Nitrogen content
- D. Eutrophication

**Answer: A**



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**503.** Biological control of agricultural pests, unlike chemical controls is

- A. Toxic
- B. Polluting
- C. Self perpetuating
- D. Very expensive

**Answer: C**



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**504.** Examples of secondary air pollutants is/are:

A. Smog

B. PAN

C. CFCs

D. All the above

**Answer: D**



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**505.** An international treaty known as Montreal Protocol was signed to control emission of:

A. UV rays

B. Ozone

C. CFC

D. Oxygen

**Answer: C**



**Watch Video Solution**

## 506. Match the following

(i) Mercury	(a) Low blood pressure, blindness
(ii) Lead	(b) Hyperkeratosis, liver cirrhosis
(iii) Arsenic	(c) Bone deformation, testicular dystrophy
(iv) Cadmium	(d) Abdominal pain, haemolysis
	(e) Anaemia, convulsions

A. i-e,ii-d,iii-c,iv-b

B. i-d,ii-e,iii-b,iv-c

C. i-c,ii-b,iii-d,iv-a

D. i-b,ii-c,iii-d,iv-e

**Answer: B**

507. Match and find the correct combination

(a) Eutrophication	(i) Rise in sea level
(b) Biomagnification	(ii) Water Hyacinth
(c) Terror of Bengal	(iii) Increase in quantity of pollutant at successive trophic levels
(d) Green house effect	(iv) Enrichment with nutrients.

- A. a-iv,b-iii,c-i,d-ii
- B. a-i,b-ii,c-iii,d-iv
- C. a-ii,b-iii,c-iv,d-i
- D. a-iv,b-iii,c-ii, d-i

Answer: D



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508. Match the columns and find correct option

(a) Zooplankton	(p) 0.003 ppm
(b) Small fishes	(q) 2.0 ppm
(c) Water	(r) 25.0 ppm
(d) Fish eating birds	(s) 0.04 ppm
(e) Big fishes	(t) 0.5 ppm

A. a-s,b-t,c-p,d-r,e-q

B. a-s,b-t,c-r,d-q,e-p

C. a-s,b-t,c-p,d-q,e-r

D. a-q,b-p,c-s,d-t,e-r

**Answer: A**



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**509.** Who proved that blends of polyblend (plastic waste) and bitumen, when used to lay roads, enhanced the bitumen's water repellent properties and helped to increase road life?

A. Amrita Devi

B. Ramdeo misra



C. Ramesh chander Dagar.

D. Ahmed khan

**Answer: D**



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**510.** Increase in concentration of the toxicant at successive trophic levels is known as:

A. Biomagnification

B. Biodeterioration

C. Biotransformation

D. Biogeochemical cycling.

**Answer: A**



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**511.** Which the following are most suitable indicators of  $SO_2$  pollution in the environment ?

A. Lichens

B. Conifers

C. Algae

D. Fungi

**Answer: A**



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**512.** Eutrophication of water bodies leading to killing of fishes is mainly due to non-availability of:

- A. Food
- B. Light
- C. Essential minerals
- D. Oxygen

**Answer: D**



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**513.** Maximum permissible limit of noise as per "Noise Pollution Rules 2000 of India" is:

A. 60 decibels

B. 70 decibels

C. 80 decibels

D. 100 decibels.

**Answer: C**



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**514.** The gases responsible for Green house effect are :

A.  $CO_2$

B. CFC

C.  $N_2O$

D. All the above

**Answer: D**



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**515.** During waste water treatment, trickling filter is used for :

- A. Primary treatments
- B. Secondary aerobic treatments
- C. Secondary anaerobic treatment
- D. Tertiary treatment

**Answer: B**



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**516.** Relationship between DO and BOD is that they:

- A. Are directly proportional
- B. Are inversely proportional
- C. Are not related
- D. Always remains equal to each other.

**Answer: B**



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517. Match the columns and find the correct option

(a) Photochemical smog	(i) Itai-itai disease
(b) Arsenic pollution	(ii) Parkinson's disease
(c) Manganese pollution	(iii) Black foot disease
(d) Cadmium pollution	(iv) Burning of petrol and diesel with oxides of nitrogen

A. p-ii,q-l,r-iii,s-iv

B. p-iv,q-ii,r-l,s-iii

C. p-l,q-ii,r-iii,s-iv

D. p-iii,q-l,r-ii,s-iv

**Answer: A**





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**518.** Water above the dissolved  $O_2$  content may be considered uncontaminated

A. 0.8 mg/l

B. 0.009 mg/l

C. 8.0 mg/l

D.  $8\mu\text{g/l}$

**Answer: C**



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519. "Grey Air" refers to

A. Incomplete smog formation

B.  $N_2O$

C. CO

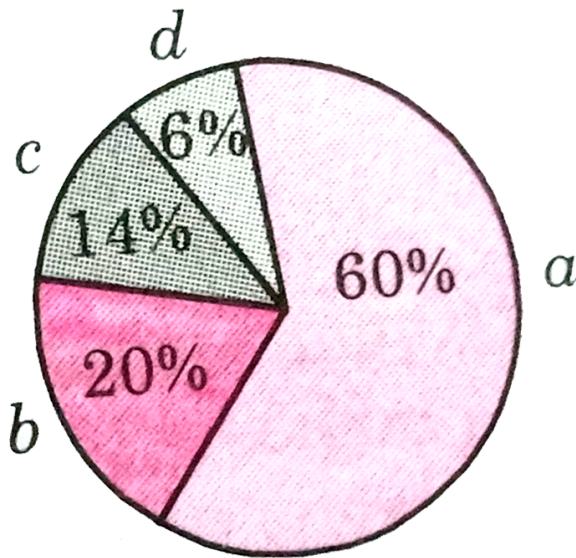
D.  $SO_2$

**Answer: A**



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520. Relative contribution of various green house gases to total global warming is given in the diagrams. Identify the green house gases



- A.  $a - CO_2$ ,  $b - CH_4$ ,  $c - CFCs$ ,  $d - N_2O$
- B.  $a - CO_2$ ,  $b - CFCs$ ,  $c - CH_4$ ,  $d - N_2O$
- C.  $a - CFCs$ ,  $b - CO_2$ ,  $c - CH_4$ ,  $d - N_2O$

D.  $a - CFCs$ ,  $b - CH_4$ ,  $c - CO_2$ ,  $d - N_2O$

**Answer: A**



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**521.** Snow blindness is caused due to

A. Ozone hole

B. Nuclear winter

C. Acid rain

D. Green house effect.

**Answer: A**



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**522.** Match the columns and choose the correct options

*I*

*II*

(*p*) e-waste

(*i*) Waste clothing

(*q*) Biodegradable waste

(*ii*) Dirt

(*r*) Inert waste

(*iii*) Green waste

(*s*) Composite waste

(*iv*) Irreparable waste

A. p-I,q-ii,r-iv,s-iii

B. p-iv,q-iii,r-ii,s-i

C. p-iii,q-iv,r-I,s-ii

D. p-iv,q-iii,r-I,s-ii

**Answer: B**



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**523.** Which of the the following process does maximum destruction of ozone

A. OH system

B.  $N_2O$  system

C.  $CFCl_2$  system

D.  $CF_2Cl_2$  system

**Answer: B**



**Watch Video Solution**

**524.** Aerosols reduce primary productivity by :

- A. Decreases  $O_2$  concentration
- B. Preventing  $N_2$  fixation
- C. Reducing photosynthesis
- D. None of the above.

**Answer: C**



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**525.** Black foot disease is caused by pollution of ground water as a consequence of increased seepage of

A. Nitrates

B. Fluorides

C. Arsenic

D. Mercury.

**Answer: C**



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**526. Noise is**

- A. Loud sound
- B. Unwanted sound
- C. Constant sound
- D. Sound of high frequency.

**Answer: B**



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**527.** Identify the wrong statements with reference to UV rays

- A. UV-A is more harmful to animals than UV-B
- B. UV radiations falls in the range between 100-300 nm wavelength
- C. UV radiations is classified into three categories
- D. UV radiations kills microorganisms.

**Answer: A**



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## 528. Match and find the correct option

(a) BOD	(i) Supernatant as effluent	(p) Useful aerobic microbes
(b) Flocs	(ii) Measure of organic matter	(q) All settled solids
(c) Primary sludge	(iii) Masses of bacteria associated with fungi	(r) Methane, hydrogen sulphide, carbon dioxide
(d) Biogas	(iv) Anaerobic sludge digester	(s) Polluting water has more BOD

A. a-ii-s,b-iii-p,c-i-q,d-iv-r

B. a-ii-p,b-i-r,c-iv-q,d-iii-s

C. a-i-s,b-iii-q,c-iv-p,d-ii-r

D. a-iv-r,b-ii-s,c-iii-p,d-i-q

**Answer: A**



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529. Identify the correct matching combination

(a) Chernobyl	Accidental leakage	Radioactive waste
(b) El Nino effect	Global warming	Causes climatic changes
(c) Chlorofluorocarbons	Ozone degradation	Fluorine atoms released
(d) Snow blindness	UV-B radiation	Inflammation of cornea

A. a,c

B. a,d

C. a,b,d

D. b,d

**Answer: C**



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**530.** Which one is correct about atmosphere ozone

- A. it acts as protector
- B. it acts as destroyer
- C. both A and B
- D. It has no role in atmosphere.

**Answer: C**



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**531.** Which type of toxicity was experienced by survivors of Nagasaki and Hiroshima

A. Radioactive pollution

B. Cosmic

C. Ultraviolet

D. Infra-red rays

**Answer: A**



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532. "Chipko Movement" is connected with :

- A. Conservation of water resoruces
- B. Conservation of forests
- C. Conservation of tiger
- D. Conservation of biodiversity

**Answer: B**



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533. Ozone layer occurs in

A. Troposphere

B. Hydrosphere

C. Stratosphere

D. Lithosphere.

**Answer: C**



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**534.** Which one of the following combinations is wrong?

A. Ramer conversion -air pollution



B. Kyoto protocol-Climate change

C. Montreal protocol -ozone depletion

D. Rio convention-Sustainable development

**Answer: A**



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**535.** Match the columns and choose the right option

(i) Ramesh Chandra Dagar	(a) Conservation of forests
(ii) Ahmed Khan	(b) Organic farming
(iii) Amrita Devi	(c) Plastic waste recycling.

A. i-b,ii-c,iii-a

B. i-c,ii-a,iii-b

C. i-a,ii-b,iii-c

D. i-b,ii-a,iii-c

**Answer: A**



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**536.** One of the most polluted rivers in maharashtra is

A. Brahmputra

B. Ganga

C. Jamnuna

D. Panchaganga.

**Answer: D**



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**537.** A lake with an inflow of domestic sewage rich in organic waste may result in

A. Death of fish due to lack of oxygen

B. Drying of the river/lake very soon due to algal blooms

C. Increase population of aquatic food web organisms

D. An increased production of fish due to biodegradable nutrients.

**Answer: A**



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**538.** Depletion of which gas in the atmosphere can lead to an increased incidence of skin cancers:

- A. Methane
- B. Nitrous oxide
- C. Ozone
- D. ammonia.

**Answer: C**



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**539.** Joint Forest Management Concept was introduced in India during:

A. 1990s

B. 1960 s

C. 1970s

D. 1980s

**Answer: D**



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**540.** Biochemical Oxygen Demand (BOD) may not be a good index for pollution for water bodies receiving effluents from:

- A. Sugar industry
- B. Domestic sewage
- C. Dairy industry
- D. Petroleum industry

**Answer: D**



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**541.** One greenhouse gas contributes 14% to total global warming and another contributes 6%.

These are respectively identified as:

- A.  $N_2O$  and  $CO_2$
- B. CFCs and  $N_2O$
- C. Methan and  $CO_2$
- D. Methane and CFCs

**Answer: B**



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**542.** A large quantity of urban sewage is drained to a nearby river. Which among the given conditions would happen after mixing of sewage into the river

(i) BOD of receiving water body increases

(ii) DO of receiving water body decreases

(iii) It will not cause mortality among fishes and other aquatic creatures (iv) it will lead to nutrients enrichment of receiving water body

A. I,ii and iii

B. I,ii and iv

C. ii and iii only

D. iii and iv only

**Answer: B**



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**543.** Which one of the following statement is not valid for aerosols ?

- A. They are harmful to human health
- B. They alter rainfall and monsoon patterns
- C. They cause increased agricultural activity

D. They have negative impact on agriculture land.

**Answer: C**



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**Check your grasp**

1. Water (Prevention and control of pollution )

Act was enacted during

A. 1952

B. 1972

C. 1991

D. 1994

**Answer: B**



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**2. Ganga Action plan was started in**

A. 1982

B. 1985

C. 1991

D. 1994

**Answer: B**



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**3. Agricultural use of DDT was banned in India during**

A. 1962

B. 1972

C. 1974

D. 1989

**Answer: D**



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**4. Silent Spring' is**

- A. A piece of literature
- B. A valley in Kerala
- C. A flower bedcked area in Uttar Kashi
- D. An unpolluted are ain Kashmir.

**Answer: A**



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5. Green muffer is planting of trees ans shrubs

A. On wastelands

B. Along roads

C. Along canals and other water bodies

D. On the slopes.

**Answer: C**



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6. MNP indicates

- A. Thermal pollution
- B. Atmospheric pollution
- C. Faecal pollution
- D. Industrial pollution

**Answer: D**



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7. Polonium -210 is pollutant emitted from



A. Laboratory radio-isotopes

B. Coolant water of reactors

C. Automobile exhausts

D. Thorium rich sands.

**Answer: B**



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8. "Chernobyl" nuclear tragedy occurred on which date?

A. 1978

B. 1982

C. 1985

D. 1986



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**9. Sound limit in industry is**

A. 75 dB

B. 55dB

C. 45dB

D. 30 dB

**Answer: A**



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**10. 5th June is**

A. World environmental day

B. World population day

C. world hygiene day

D. Malaria day

**Answer: A**



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**11. Earth Summit at Rio de Janeiro was related to:**

- A. Soil fertility
- B. Survey of natural resources
- C. Conservation of resources
- D. Prevention of afforestation.



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**12.** The country which hosted the first world earth summit on conservation of environment is

A. India

B. Brazil

C. Peru

D. Spain



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13. Halocarbons or halons are constituents of

- A. Aerosols
- B. Refrigerants
- C. Fire extinguishers
- D. Pesticide

**Answer: b**



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14. Ozone layer is present in

A. Troposphere

B. Stratosphere

C. Mesosphere

D. Thermosphere.



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**15.** Green house effect was discovered by

A. Fourier

B. Tyndall

C. Clements

D. Einstein

**Answer: B**



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**16.** Which is the most effective in warming atmosphere

A.  $CO_2$

B. CFC

C. Methane



D. Nitrogen oxides.

**Answer: d**



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**17. Major source of methane in India is :**

A. Paddy fields

B. Marshes

C. Cattle and other herbivores

D. All the above



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18. Which of the following substance is/are identified due to their unique characteristic smell

A.  $H_2S$

B. Dimethyl sulphide

C. Dimethyl mercury

D. Iron sulphide



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1. Waldsterben is an effect of

A. Ozone

B. Nitrogen oxide and sulphur oxide

C. Acid rain

D. All the above

**Answer: D**



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2. Waldsterben is

A. Decline forests

B. Development of fog

C. Harm to sculptures, statues and buildings

D. All of the above

**Answer: A**



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3. In air pollution, Delhi ranks

- A. First most polluted
- B. second most polluted
- C. Third most polluted
- D. Fourth most polluted

**Answer: B**



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**4.** Annual number of deaths in Delhi believed to be due to air pollution is

- A. 1000

B. 5000

C. 1500,000

D. 15000

**Answer: D**



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**5. Traffic policeman in Tokyo**

A. Wears gas mask

B. required daily oxygen treatment

C. Suffers from black lung disease

D. all the above

**Answer: B**



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6. Number of ozone depleters identified by Montreal Protocol (1987) was

A. 72

B. 18

C. 96

D. 40

**Answer: C**



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7. Number of ozone depleters identified by Vienna convention for Protection of Ozone Layer (1992) is

A. 19

B. 17

C. 15

D. 13

**Answer: A**





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8. Ozone is spread in the swimming pool because:

- A. Pale blue
- B. highly reactive
- C. with penetrating odour
- D. all the above

**Answer: D**



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9. Fire extinguishers contain :

- A. Nitrogen oxide
- B. Methyl bromide
- C. halone
- D. Chlorofluorocarbons.

**Answer: C**



**Watch Video Solution**

10. Ozone is spread in the swimming pool because:

A. Protector in troposphere

B. pollutant in troposphere

C. Green house gas

D. Both B and C

**Answer: D**



**Watch Video Solution**

**11. Ozone layer was discovered by**

A. Coriolis

B. febry

C. Wiener

D. Diener

**Answer: B**



**Watch Video Solution**

**12.** Smoked foods are not favoured now because of the possible toxicity of

A. Benzpyrene

B. Nitrogen oxides

C. Sulphure dioxide

D. All the above

**Answer: A**



**Watch Video Solution**

**13.** Benzpyrene is ingredient of

A. Wood smoke and tobacco smoke

B. Automobile exhausts

C. Coal tar

D. All the above

**Answer: D**



**Watch Video Solution**

**14.** Carbon dioxide added by biomass burning is

A. 0.8

B. 0.6

C. 0.4

D. 0.25

**Answer: C**



**View Text Solution**

15. Agent Orange was named so because of

- A. Orange colour
- B. Orange stripe on packet
- C. Production of orange cloud
- D. Killing all greenery.

**Answer: B**



**Watch Video Solution**

**16.** Agent Orange consisted of

A. 2,4 -D

B. 2,4,5-T

C. Dioxin as contaminant

D. All the above

**Answer: D**



**Watch Video Solution**

**17.** Coal mining has been known, since



A. 1750 AD

B. 675 AD

C. Roman times

D. Mediaeval times.

**Answer: C**



**Watch Video Solution**

**18. Mineral oil is**

A. Mustard oil

B. Petroleum

C. Liquefied petroleum gas

D. Palm oil

**Answer: B**



**Watch Video Solution**

**19.** The earliest use of petroleum was in

A. Heating

B. Furnace

C. Medicine

D. Production of gas

**Answer: C**



**Watch Video Solution**

**20. Petrol is known as gasoline in**

A. U.S.A

B. U.K

C. Parts of India

D. All the above

**Answer: A**



**Watch Video Solution**

21. Gasohol was first used in

A. 1970 s

B. 1980S

C. 1940 S

D. 1800s

**Answer: C**



**Watch Video Solution**

22. Knocking in a fuel is

A. Tendency to spil

B. Explosion of unburnt fuel-air mixture

C. Late burning of fuel

D. Difficult ignition of fuel in combustion  
Chamber.

**Answer: B**



**Watch Video Solution**

23. Antiknocking agent added to petrol is commonly

A. Tetramethyl or tetraethyl lead

B. Dibromoethane

C. Both B and A

D. Octanes

**Answer: C**



**Watch Video Solution**

24. Antiknocking agent of unleaded petrol is

- A. Dibromomethane
- B. Methyl-ethyl ether
- C. Propane
- D. Methyl tert. Butyl ether.

**Answer: D**



**Watch Video Solution**

25. Catalytic converter used for controlling pollution is used in

- A. Thermal plants
- B. chimneys
- C. Brick kilns
- D. Motor vehicles

**Answer: D**



**Watch Video Solution**



26. Catalytic converter brings about

- A. Complete oxidation of hydrocarbons
- B. Oxidation of carbon monoxide to carbon dioxide
- C. Reduction of nitrogen oxide to nitrogen
- D. All the above

**Answer: D**



**Watch Video Solution**

27. Smoke or dust dispersed in air is called

A. fog

B. haze

C. mist

D. smog

**Answer: B**



[Watch Video Solution](#)

28. Mist is fog with horizontal visibility of

A. 100 m

B. 200 m

C. 500 m

D. 1km

**Answer: D**



**Watch Video Solution**

**29.** Fog is formed by

A. Smoke

B. Condensation of water vapours

C. Condensation of water vapours over dust particles

D. Both A and C

**Answer: C**



**Watch Video Solution**

**30.** Fluoride content of water which causes fluorosis is

A. 6 ppb

B. 100 ppb

C. 1 ppm

D. 10 ppm

**Answer: D**



**Watch Video Solution**

**31.** The term 'greenhouse effect' was given by

A. Fourier

B. Tyndall

C. Arrhenius

D. Linnaeus.

**Answer: C**



**Watch Video Solution**

**32. Biggest oil spill occurred in**

- A. March 1989 off Alaska by Exxon Valdez
- B. 1968 off south America by World Glory
- C. October 1997 off Singapore
- D. February 1991 in Persian Gulf.

**Answer: D**



**Watch Video Solution**

33. The term 'acid rain' was given by

A. Fourier

B. Angus

C. Tyndall

D. Linnaeus.

**Answer: B**



**Watch Video Solution**

**34.** Polychlorinated biphenyls are chemicals useful  
is

A. Fire-resistants

B. Fertilisers

C. Pesticides

D. Germicides

**Answer: A**



**Watch Video Solution**



35. Use of polychlorinated biphenyl is restricted because of their

- A. Extreme toxicity
- B. Persistent toxicity
- C. Biomagnification
- D. Both B and C

**Answer: D**



**Watch Video Solution**

**36.** Detergents often contain

- A. Bleach
- B. Fluorescers
- C. Perborates
- D. All the above

**Answer: D**



**Watch Video Solution**

**37.** Ecofriendly detergents do not contain

A. Phosphate and bleaches

B. Alcohols

C. Water softeners

D. Perborates.

**Answer: A**



**Watch Video Solution**

**38.** Environmental hum has a sound frequency of

A. 0.1 Hz

B. 1.0 Hz

C. 40 Hz

D. 100 Hz

**Answer: C**



**Watch Video Solution**

**39.** Elephants communicate with one another at a sound frequency of

A. 1.0 Hz

B. 15 Hz

C. 150 Hz

D. 0.1 Hz

**Answer: A**



**Watch Video Solution**

**40.** Pigeons are highly alert as they can detect a sound frequency of

A. 0.1 Hz

B. 1.0 Hz

C. 4 Hz

D. upto 10 Hz

**Answer: A**



**Watch Video Solution**

**41. Range of human hearing is**

A. 20-400 Hz

B. 100-1000 Hz

C. 20-15000 Hz

D. 1000-15000 Hz

**Answer: C**



**Watch Video Solution**

42. Hypersonics is connected with sound of

A. More than 1 mach

B. more than 5 machs

C. less than 20 Hz

D. more than 20000 Hz

**Answer: B**



**View Text Solution**

**43.** Sonic boom is a sudden

A. Loud noise by passing train

B. sound of overlying helicopter

C. vibrations by overflying supersonic jet

D. continuous sound by industrial and commercial areas.

**Answer: C**



**Watch Video Solution**



44. A supersonic jet produces sonic boom in a

A. Cone-like area behind the jet

B. 10-100 km area

C. both A and B

D. Area of 10 km all around it.

**Answer: C**



**Watch Video Solution**

45. Sudden rattling of doors and windows is due to

A. Earthquake

B. sonic boom

C. movements of crustal layers of earth

D. slipping of glaciers on the nearby mountain

**Answer: B**



**Watch Video Solution**

46. Plantations of rows of trees and shrubs along roads, rails, around residential complexes, educational institutes, etc. is called

- A. Green muffler
- B. Shelter belt
- C. Wind break
- D. Both B and C

**Answer: A**



**Watch Video Solution**

47. Green muffler is meant for

- A. Reduction smog
- B. Sound insulation
- C. Preventing haze formation
- D. Reduction ground frost.

**Answer: B**



**Watch Video Solution**

48. The loudest noise is that of

- A. Jet at take off
- B. Rocket launch
- C. Humpback Whale
- D. Both A and B

**Answer: C**



**Watch Video Solution**

**49.** In sea, the call of Humpback Whale is audible upto a distance of

- A. 20 km

B. 200 km

C. 400 km

D. 800 km

**Answer: D**



**Watch Video Solution**

**50.** The biggest cause of reactor mishap is

A. Radioactive in coolant

B. meltdown of reactor core

C. crumbling of concrete covering

D. sinking of ground

**Answer: B**



**Watch Video Solution**

**51.** The first reactor mishap occurred in

A. windscale

B. church rock

C. three-mile island

D. kyshym.

**Answer: A**



**Watch Video Solution**

**52.** Chernobyl is known for its

- A. Reactor mishap
- B. Acid rain
- C. Water-logging
- D. Salinisation of soil

**Answer: A**



**Watch Video Solution**



53. Maximum background radiation occurs in

A. Chennai beaches

B. mumbai beaches

C. kerela beaches

D. Andaman and nicobar islands

**Answer: C**



**Watch Video Solution**

54. Kerala beaches are radioactive due to

A. Uranium -238

B. Radon-222

C. Radium -224

D. Thorium -232

**Answer: D**



**Watch Video Solution**

55. Strontium - 90 can enter human body parts in place of

A. Phosphorus

B. potassium

C. Calcium

D. Sodium

**Answer: C**



**Watch Video Solution**

**56.** Sr-90 causes

- A. Bone and blood cancers
- B. Skin cancer
- C. Lung tumour
- D. All the above

**Answer: A**



**Watch Video Solution**

**57.** Exposure of UV radiations causes

A. Damage to eye sight

B. Sunburn

C. Skin cancer

D. All the above

**Answer: D**



**Watch Video Solution**

**58.** Silence zone is created around

A. Residential area

B. hospital and educational institutes

C. commercial area

D. Industrial area

**Answer: B**



**Watch Video Solution**

**59.** Ambient noise level in residential area is

A. 75/70 dB

B. 65/55 dB

C. 55/45 dB

D. 50 /45dB

**Answer: C**



**Watch Video Solution**

**60.** Third pollution is

- A. Land or landscape pollution
- B. controlled tipping
- C. noise pollution
- D. UV pollution

**Answer: A**



**Watch Video Solution**

61. Sewage is broken down in

- A. Primary treatments
- B. Secondary treatment
- C. Tertiary treatment
- D. All of the above

**Answer: B**



**Watch Video Solution**



62. Sewage sludge is used as Tipping is a technique of

- A. manure
- B. biogas generator
- C. Both A and B
- D. Tipping

**Answer: C**



**View Text Solution**

63. Tipping is a technique of

- A. sewage disposal
- B. waste disposal
- C. smoke treatment
- D. effluent

**Answer: B**



[Watch Video Solution](#)

64. Composting is carried out from

A. Sewage sludge

B. Rubbish

C. Industrial wastes

D. Garbages and sewage sludge.

**Answer: D**



**Watch Video Solution**

**65.** Secondary sewage treatment is mainly a

A. Primary treatements

B. Secondary treatment

C. Tertiary treatment

D. All of the above

**Answer: B**



**Watch Video Solution**

**66.** Photocatalysis of effluents is carried out with the help of

A. polymeric adsorbents

B. Titanium dioxide

C. Resins

D. UV radiations

**Answer: B**



**Watch Video Solution**

**67.** Photocatalysis is useful in breakdown of

A. Acids and alkalies

B. Chemicals containing heavy metals

C. Toxic chemicals

D. All the above

**Answer: C**



**Watch Video Solution**

**68.** Chlorination of treated waste water is required for

- A. Killing all microbes
- B. Removing suspended materials
- C. Complete breakdown of organic matter
- D. All the above

**Answer: A**



[Watch Video Solution](#)

69. Excess nitrate present in drinking water, vegetables and fruits shall result in

A. methaemoglobinaemia

B. Mottling of teeth

C. minamata disease

D. Itai-itai.

**Answer: A**



[Watch Video Solution](#)

70. Bag filters are used for removal of pollutants from

A. Exhaust emissions

B. Effluent water

C. sewage water

D. Both B and C

**Answer: A**



**Watch Video Solution**



71. Thermal plants have installed

- A. cyclone collector
- B. porous filters
- C. electrostatic precipitators
- D. adsorbents

**Answer: C**



**Watch Video Solution**

72. Unleashed petrol has been introduced in India with effect from

- A. First january,1996
- B. First april, 1995
- C. first april,1996
- D. First january,1997

**Answer: B**



**View Text Solution**

73. Low sulphur diesel has become available in India from

- A. First April 1996
- B. First april 1997
- C. first january 1997
- D. first january,1996

**Answer: A**



**View Text Solution**

74. Nitrogen oxides released in the stratosphere causes ozone depletion due to

- A. catalysing conversion of ozone to oxygen
- B. binding ozone
- C. reacting with ozone
- D. All the above

**Answer: C**



**Watch Video Solution**

75. Substitute of chlorofluorocarbon is

- A. Hydrofluorofluorocarbons
- B. Hydrochlorofluorocarbon
- C. Fluorocarbon
- D. Both A and B

**Answer: D**



[Watch Video Solution](#)

76. Classical smog is

- A. Dark brown smog
- B. yellow brown smog
- C. los Angeles smog
- D. Smog with secondary pollutants

**Answer: A**



**Watch Video Solution**

**77. Sulphurous smog is**

- A. Photochemicals smog
- B. oxidising smog

C. classical smog

D. los angeles smog.

**Answer: C**



**Watch Video Solution**

**78.** Smog that occurs due to low temperature and has reducing environment is

A. photochemical smog

B. los angeles smog

C. nonsulphurous smog

D. london smog.

**Answer: D**



**Watch Video Solution**

**79.** Smog that occurs mainly due to automobile exhausts and still air is

A. Photochemicals smog

B. Classical smog

C. london smog

D. Both B and C



**Answer: A**



**Watch Video Solution**

**80.** Examples of secondary air pollutants is/are:

- A. Automobile exhausts
- B. chimneys smog
- C. photochemicals smog
- D. Classical smog

**Answer: C**



**Watch Video Solution**

**81.** The term smog was coined by

A. Fourier

B. des voeux

C. schouw

D. ashbel.

**Answer: B**



**Watch Video Solution**

**82.** Green audit is

- A. estimation of crop yield and crop area
- B. estimation of forested area and pasture land
- C. checking of impact of an establishment over environment
- D. effect of environment over vegetation of an area.

**Answer: C**



**Watch Video Solution**

**83.** Run-off from fields is

- A. Point source pollution
- B. line source pollution
- C. area source pollution
- D. diffuse source pollution

**Answer: D**



**Watch Video Solution**

**84.** A glass dome covering an area of 3-5 acres with 4000 representatives of most ecosystems and eight human beings in order to prepare a prototype of space colony is

A. glass house

B. phytotron

C. Biosphere 1

D. Biosphere 2

**Answer: D**



**View Text Solution**

85. Worker Bees aiding queen to reproduce and converting other females into workers is an example of

A. social set up

B. altruism

C. parental care

D. peck order

**Answer: B**



**Watch Video Solution**

**86.** Certain millipedes and Silver Fish live in nest of Army Ant feeding on their refuse. The relationship is

- A. commensalism
- B. mutualism
- C. proto cooperation
- D. scavenging.

**Answer: A**



**View Text Solution**

87. Viceroy Butterfly resembles Monarch Butterfly.

It is an example of

- A. Concealing type protective mimicry
- B. warning type protective mimicry
- C. alluring type aggressive mimicry
- D. concealing type aggressive mimicry

**Answer: B**



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88. Flowers of *Ophrys* resembles female wasp *Colpa* and are pollinated by male wasp. The flowers show mimicry

- A. Concealing type protective
- B. warning type protective
- C. alluring type aggressive
- D. concealing type aggressive mimicry

**Answer: C**



**Watch Video Solution**

89. Stick and Leaf insects resemble the surroundings. They undertake mimicry of the type

A. concealing -protective

B. warning -protective

C. alluring -aggressive

D. concealing -aggressive

**Answer: A**



**Watch Video Solution**

90. Praying Mantis is green coloured predator insect that shows mimicry of the type

- A. concealing-protective
- B. warning -protective
- C. alluring -aggressive
- D. concealing -aggressive

**Answer: D**



**Watch Video Solution**

**91.** Male Atlas Moth has huge antennae that can detect pheromone released by female moth from a distance of

A. 1 km

B. 3 km

C. 5 km

D. 8 km

**Answer: D**



**Watch Video Solution**

92. In foggy and hazy environment, birds are able to locate position of sun and their path by means of

- A. infra-red wavelength
- B. ultra-violet radiations
- C. magnetic system
- D. pheromones

**Answer: B**



**Watch Video Solution**

**93.** An animal that uses ultra-violet radiations for locating food and boundary of its territory is

A. desert iguana

B. desert frog

C. kangaroo rat

D. sea snake.

**Answer: A**



**Watch Video Solution**

**94.** A succession that does not follow the natural course due to human activity is

- A. Subsere
- B. plagiosere
- C. prisere
- D. asere.

**Answer: B**



**Watch Video Solution**

95. Culmination of a succession at a stage other than the natural climax is called

A. deflected sere

B. disclimax

C. plagioclimax

D. Both B and C

**Answer: D**



**Watch Video Solution**



96. The term succession was coined by

A. Buffon (1742)

B. king (1685)

C. Halt (1885)

D. cowles (1899)

**Answer: C**



**Watch Video Solution**

97. Succession on sand dune in

A. Lithosere

B. psychrosere

C. psammosere

D. halosere.

**Answer: C**



**Watch Video Solution**

**98.** Allochemic juglone is produced by

A. walnut

B. sunflower

C. barley

D. muller.

**Answer: A**



**Watch Video Solution**

**99.** Competitive exclusion principle stating that inferior species is eliminated eventually after prologed competition was given by

A. gause

B. hardin

C. jaeger

D. muller.

**Answer: A**



**Watch Video Solution**

**100.** Which relationship is beneficial to both interacting organisms but is not obligatory

A. commensalism

B. proto cooperation

C. mutualisms

D. Both B and C

**Answer: B**



**Watch Video Solution**

**101.** The term homeostasis was coined by

A. whittaker

B. watt

C. Elton

D. cannon

**Answer: D**



**Watch Video Solution**

**102.** The amount of biogenic nutrient present in the abiotic environment is called

- A. standing state
- B. standing crop
- C. detritus
- D. reserve nutrient

**Answer: A**



[Watch Video Solution](#)

**103.** Phosphorus has

- A. imperfect nutrient cycle
- B. perfect nutrient cycle
- C. gaseous cycle
- D. mixed cycle.

**Answer: A**



[View Text Solution](#)

**104.** Carbosphere comprises

A. atmosphere

B. lithosphere

C. hydrosphere

D. all the above

**Answer: D**



**Watch Video Solution**

**105.** Carbon Dioxide is being added to the cycling pool by



- A. respiration and combustion
- B. sedimentation of carbonates
- C. precipitation, skeletons and fossilisation
- D. Both B and C

**Answer: A**



**Watch Video Solution**

**106.** A source of nonbiological carbon dioxide is

- A. volcanic eruptions
- B. hot springs

C. weathering

D. all the above

**Answer: D**



**Watch Video Solution**

**107.** A source of non-biological oxygen is

A. photodissociation

B. photolysis

C. formation of fats from carbohydrates

D. Both B and C

**Answer: A**



**Watch Video Solution**

**108.** A process that occurs without loss or gain of heat is

- A. coriolis effect
- B. eustatic effectq
- C. adiabatic
- D. all the above

**Answer: C**



Watch Video Solution

**109.** Adiabatic expansion resulting in cooling is called

- A. coriolis effect
- B. joule-kelvin effect
- C. le chatelier principle
- D. principle of parsimony

**Answer: B**



Watch Video Solution

**110.** A small area occupied by single males for displaying courtship traits is called

A. Niche

B. lek

C. territory

D. den

**Answer: B**



**Watch Video Solution**

**111.** Le Chatelier principle is

- A. reaction of a system to maintain equilibrium
- B. feed back
- C. cybernetics
- D. carrying capacity

**Answer: A**



**Watch Video Solution**

**112.** First National Park of the world is

A. Peak district

B. snowdonia

C. yellowstone

D. lake district

**Answer: C**



**Watch Video Solution**

**113.** First national park of India is

A. desert national park

B. Nanda devi national park

C. sanjay gandhi national park

D. corbett national park

**Answer: D**



**Watch Video Solution**

**114.** Cyclic/front rainfall generally occurs

A. all over the world

B. tropical areas

C. temperate areas



D. boundary of warm tropical air and cold polar air.

**Answer: D**



**Watch Video Solution**

**115. Which area has four seasons**

A. tropics

B. monosonic

C. temperate

D. arctic.

**Answer: C**



**Watch Video Solution**

**116.** Which one is a nonconventional source of energy

- A. Hydroelectric energy
- B. biomass energy
- C. solar pond
- D. fossil fuel energy.

**Answer: C and B**



Watch Video Solution

117. Hot water of Manikaran is used for generating electricity. It is

- A. solar energy
- B. biomass energy
- C. geothermal energy
- D. hydroelectric energy

**Answer: C**



Watch Video Solution

**118.** Lignite is

- A. gaseous fossil fuel
- B. liquid fossil fuel
- C. solid fossil fuel
- D. inorganic mineral

**Answer: C**



**Watch Video Solution**

**119.** Index of energy consumption is maximum for

A. U.S.A

B. japan

C. norway

D. canada

**Answer: D**



**Watch Video Solution**

**120.** Revised data for petroleum depletion time is

A. 2010

B. 2020

C. 2030

D. 2040

**Answer: C**



**Watch Video Solution**

**121. Petroleum import costs India**

A. Rs 3100 crores

B. Rs 2100 crores

C. Rs 1100 crores

D. Rs 500 crores

**Answer: A**



**Watch Video Solution**

**122.** Which one is not a commercial energy

A. Coal

B. animal power

C. petroleum and natural gas

D. Electricity

**Answer: B**



**Watch Video Solution**

**123.** First nuclear reactor was built in

A. Russia

B. U.S.A

C. U.K.

D. France

**Answer: B**



**Watch Video Solution**



**124.** Amount of commercial energy being obtained from nuclear reactors in France is

A. 0.35

B. 0.51

C. 0.73

D. 0.42

**Answer: C**



**Watch Video Solution**

**125.** When was the first nuclear reactor built

A. 1942

B. 1944

C. 1945

D. 1947

**Answer: A**



**Watch Video Solution**

**126.** Which is the coolant in fast breeder reactor

- A. Pressurised light water
- B. boiling light water
- C. deuterium or heavy water
- D. liquid sodium

**Answer: D**



**Watch Video Solution**

**127.** The land of wind mills is

- A. U.K.
- B. U.S.A

C. Netherland

D. himachal pradesh

**Answer: C**



**Watch Video Solution**

**128.** An inexhaustible resource is

A. wind energy

B. solar energy

C. hydrothermal energy

D. tidal energy

**Answer: B**



**Watch Video Solution**

**129.** Maximum solar energy is trapped by

- A. direct heating
- B. thermoelectric conversion
- C. photovoltaic conversion
- D. all the above

**Answer: D**



**Watch Video Solution**

**130.** Photovoltaic cells are semiconductors of

- A. silicon
- B. gallium arsenide
- C. cadmium telluride
- D. all the above

**Answer: D**



**Watch Video Solution**

**131.** Total land area of the world is

- A. 1393 million hectares
- B. 13393 million hectares
- C. 103393 millions hectares
- D. 393 million hectares.

**Answer: B**



**Watch Video Solution**

**132.** Human habitations and installations occupy land area

A. 0.366

B. 0.166

C. 0.026

D. 0.006

**Answer: C**



**Watch Video Solution**



**133.** Land occupied for human habitation in India is

A. 0.08

B. 0.06

C. 0.045

D. 0.036

**Answer: A**



**Watch Video Solution**

**134.** Urban population of the world is

A. 0.45

B. 0.39

C. 0.35

D. 0.3

**Answer: A**



**Watch Video Solution**

**135.** Urban population in India comprises

A. 0.2

B. 0.27

C. 0.31

D. 0.35

**Answer: B**



**Watch Video Solution**

**136.** Soil occurs on land in

A. 0.6

B. 0.7

C. 0.8

D. 0.9

**Answer: C**



**Watch Video Solution**

**137.** Soil lost from cultivated land between 1950-1990 is

A. 0.1

B. 0.15

C. 0.2

D. 0.33

**Answer: C**



**Watch Video Solution**

**138.** In India, maximum ground water depletion has occurred in

A. Mumbai

B. Delhi

C. Punjab

D. Tamil nadu.

**Answer: D**



**Watch Video Solution**

**139.** Livestock population in India is

A. Over 500 million

B. 415 million

C. 350 million

D. 292 million

**Answer: A**



**Watch Video Solution**

**140.** Fuelwood demand in India is

- A. 90 million  $m^3$
- B. 150 million  $m^3$
- C. 216 million  $m^3$
- D. 380 million  $m^3$

**Answer: D**



**Watch Video Solution**

**141.** Wood requirement for Indian industries is

A. 10 million  $m^3$

B. 20 million  $m^3$

C. 30 million  $m^3$

D. 40 million  $m^3$

**Answer: D**



**Watch Video Solution**

**142.** Chipko movement originated in :



A. Allahabad

B. Chamoli

C. Hardwar

D. Dehradun .

**Answer: B**



**Watch Video Solution**

**143.** Chipko movement originated in Gopeshwar in

A. 1953

B. 1963

C. 1973

D. 1983

**Answer: C**



**Watch Video Solution**

**144.** A movement similar to Chipko which has spread in South is

A. Uliso

B. Appiko

C. Belesu

D. Balasu.

**Answer: B**



**Watch Video Solution**

**145.** The term wildlife was coined by

A. Hornaday

B. Augus

C. Montreal protocol

D. Wiener.

**Answer: A**



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## Assertion and reason

1. Assertion: That branch of science which deals with the study of living organisms is called Biology.

Reason: Living organisms always have cellular organisation, which may be unicellular or multicellular.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



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2. Assertion: The term biology was coined by Lamarck and Traversini.

Reason: Morphology deals with the external form and structure of organisms.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



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**3. Assertion: Cell was discovered by Robert Hooke.**

**Reason: All the cells are eukaryotic.**

A. If both A<sub>s</sub> and R are correct and R is correct

explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not

correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



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4. Assertion: Paleobiology is that branch which deals with the study of fossil organisms.

Reason: Paleobotany and paleozoology are the branches of paleobiology.

A. If both A and R are correct and R is correct explanation of A



- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



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**5. Assertion:** Anatomy deals with the structure and functions of the organisms.

**Reason:** All the plants are autotrophic.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If A is wrong and R is right

**Answer: D**



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6. Assertion: The study of biomolecules is called Molecular biology.

Reason: Cell is a type of molecule.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



7. Assertion: The genetic material in Tobacco mosaic virus is RNA.

Reason: RNA is a type of nucleic acid.

- A. If both A and R are correct and R is correct explanation of A
- B. If both A and R are correct but R is not correct explanation of A
- C. If A is correct, R is wrong
- D. If both A and R are wrong.

**Answer: A**



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8. \$ Homogeniser and ultracentrifuge are the devices for separating various cell organelles.

! The radioactive substances used in biological studies are called Tracer elements.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



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**9.** § Schleiden and Schwann formulated the theory of inheritance of characters.

! The non living matter also follows the laws of inheritances.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



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**10.** \$ Plants which live for many years are called perennials.

Perennials which produce flowers and seeds only once during their life span are called monocarpic plants.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.



**Answer: A**



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**11.** \$ the sum total of anabolic and catabolic activities is called metabolism

! Organisms with positive metabolism remain healthy.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: A**



**Watch Video Solution**

**12.** DNA contains all the necessary information and instructions for cell reproduction

Reproduction is not essential for the living organisms.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



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**13.** \$ Homoestasis is the capacity of a living organisms to maintain its constant internal conditions.

Majority of homoestatic processes occur with the help of oxygen.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: C**



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**14.** \$ All of the living organisms utilize light energy for their metabolism

! Positive metabolism is called catabolism

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**15.** \$ Mitochondria are called "Food-Factories" of a plant cell.

A plant cell is called as a closed system.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



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**16.** \$ Life on earth originated by interaction of the various chemical substances in the broth of the sea.

! The first organisms were, perhaps the chemoautotrophs and anaerobes.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



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17. \$ The entire material world which can be seen and detected with instrument is like microscopes and telescope is called universe.

! Living organisms are unevenly distributed in the biosphere

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

**18.** \$ solar system has 15 planets.

! Earth is the major member of the solar system

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**

**19.** \$ The approximate distance between the sun and the Earth is about 148.7 million km.

! The dimensions of the habitates, regions of the earth are about 22.5 km

A. If both A and R are correct and R is correct explanation of A

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



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**20.** \$ living organisms can exist alone

! A population is a group of organisms of entirely different species occupying a particular area.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



**Watch Video Solution**

21. \$ Nucleus was discovered by Robert Brown

! Large sized organisms have large sized cells.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: d**



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22. \$ A cell with actively dividing nucleus is called interphase cell.

! Prokaryotic cells have a true nucleus.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



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**23.** § Hormones are the secretions to all theory.

! During mitosis the number of chromosomes is reduced to a half.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As



C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**View Text Solution**

**24.** § Viruses are not an exception to all theory

! During mitosis the number of chromosomes is reduced to a half.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



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**25.** Cellular totipotency means that single cell can give rise to a fully grown multicellular organisms

! Meristematic cells are also called "stem cells".

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

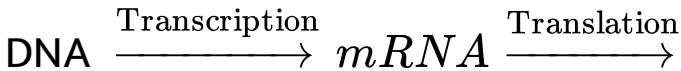
**Answer: b**



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26. \$ Flow of genetic information is through the DNA of the nucleus .

! Central Dogma is represented as follows



Polypeptides and proteins

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: A**



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27. \$ Endoplasmic reticulum also acts as the cell-skelton.

! Flagellum of a prokaryotic cell is formed of a protein called Tubulin.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



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**28.** \$ Acetabularia is the largest sized single celled green alga.

! PPLO is the smallest sized prokaryote.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



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**29.** § Cyanobacterial cells are eukaryotic

! Prokaryotic cells are diploid.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



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**30.** \$ Protoplasm is the physical basis of a cell.

! Angstrom is a unit of measurements of electron microscopy.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: b**



**31.** \$ All the living and non living matter is formed of molecules.

! Molecules are of two types (i) Micro-molecules  
(ii) Macro-molecules.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



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**32.** § Minerals such as carbonates and phosphates acts as buffers.

! Biomolecules contain only 25 elements out of the 109 known elements.

A. If both As and R are correct and R is correct explanation of As

- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: B**



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- 33.** \$ ATP is a type of coenzyme.
- ! Adenine is a type of pyrimidine.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



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**34.** \$ Ergosterol is a lipid that changes to vitamins D on activation by UV light.

! Iron is a biochemical component of haemoglobin.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**35.** \$ Minerals from 25 to 30% of the cell contents.

! Lipids form 40 to 50% of the cell contents.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**View Text Solution**

**36.** \$ Proteins, polysaccharides and nucleic acid are the macromolecules of a cell.

! DNA contains Ribose Sugar.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As



C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



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**37.** \$ DNA helix to  $20\text{\AA}$  wide.

One complete turn of DNA is  $34\text{\AA}$  long.

A. If both As and R are correct and R is correct

explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



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**38.** § The two strands of DNA run in an antiparallel directions

DNA is formed of Deoxyribose sugar. Phosphorus

and nitrogen bases called purines and pyrimidines.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: B**



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**39.** \$ The process of formation of polysaccharides by condensation of monomers is called hydrolysis. Glycogen is a stored food materials found in plants.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



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**40.** \$ Agar-agar is a carbohydrate obtained from some sea weeds.

! Agar agar is a polysaccharides formed of many galactose monomers.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



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**41.** \$ In conjugated proteins, the protein molecule is joined to a non proteins group called prosthetic group.

! Nucleoproteins are a type of conjugated proteins.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



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42. \$ Rhodopsin of rod cells and iodospin of cone cells of retina are proteins

! Myosine and Actin are contractile proteins

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**





**43.** \$ Louis Pasteur discovered that fermentation is brought about by micro-organisms

! Parasitic bacteria bring about fermentation.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



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**44.** \$ Those enzymes which are active inside a cell are called extra-cellular enzymes.

! Enzymes lower the rate of biological activities.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



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**45.** \$ Enzymes are special types of proteins.

! Those substances which interfere with the action of enzymes are called inhibitors.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: b**



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**46.** \$ Coenzymes are usually proteins

! The term feedback refers to the effect of enzyme concentration on its rate of reaction.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: d**



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47. \$ The cell membrane helps in pinocytosis and phagocytosis.

! Cell membrane is permeable.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



48. \$ Positive diffusion occurs against the concentration gradients.

! Osmosis does not require a semi-permeable membrane.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



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**49.** \$ Exosmosis causes turgidity.

! Endomosis causes flaccidity.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As



C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



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**50.** § The biomembrane which surrounds a vacuole is called Tonoplast.

! Ribosomes have a plasma membrane.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



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**51.** \$ Lysosomes are also called suicidal bags of a cell.

! Glyoxysomes and Peroxisomes are the types of microbodies.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



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52. \$ Plastids occur in plant cells and animals cells.

! Centriods are present only in plant cells.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



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53. \$ Cell wall of plants is formed of fungal cellulose.

! Smooth endoplasmic reticulum has ribosomes on its flagellin.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



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**54.** \$ Amyloplasts store food materials in the form of starch grains.

! Chloroplasts synthesis hexose sugars.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



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**55.** § Nucleosome is present on the chromosomes.

! A true nucleus is called Eukaryon.

A. If both As and R are correct and R is correct

explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



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**56.** § Vacuoles help in compartmentisation inside a cell.

! A eukaryotic flagellum is formed of a protein called flagellin.



A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



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57. \$ Respiration releases energy in the form of ATP

! Respiration in the presence of  $O_2$  is called Aerobic respiration.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: A**



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**58.** \$ Process of conversion of ADP into ATP is called phosphorylation.

! Glycolysis is also called EMP.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



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**59.** \$ Respiration is an endogenous reaction.

! Anaerobic respiration releases more energy than aerobic respiration.

A. If both As and R are correct and R is correct explanation of As

- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



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**60.** \$ The chief respiratory substrate of a cell is carbohydrate

! Fermentaiton is also called Glycolytic pathway.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



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61. \$ Krebs cycle occurs in the matrix of mitochondria.

! ATP as is a respiratory enzyme.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**62.** § Rudolf Virchow was the first to propose that new cells arise only from the pre-existing cells.

! Dividing cells have a low content of DNA.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.



**Answer: C**



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**63.** \$ The regular sequences of a cell cycle is  $G_1$ ,  $S$ ,  $G_2$ ,  $M$  and  $C$

! Replication of DNA occurs during S phase.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



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**64.** § The two strands of a chromosome are called sister chromatids

! The two sister chromatids get separated during Anaphase.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



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65. \$ Amitosis occurs with spindle formation.

! Amitosis occurs during the formation of gametes in diploid organisms.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**66.** \$ Karyokinesis is followed by cytokinesis.

! Two daughter nuclei are formed after telophase.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**67.** \$ The oldest microfossils of organisms resemble the modern day cyanobacteria.

! Cyanobacteria have oxygenic photosynthesis.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: A**



**Watch Video Solution**

**68.** In two kingdom classification, fungi were given a special status separately.

In five kingdom classification, fungi are included in kingdom plantae.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



**Watch Video Solution**



**69.** \$ Viruses are at a border line position between living and non living.

! Phytoplanktons are those living organisms which are aquatic.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**70.** § Ecologically, animals are consumers.

! Living organisms are classified as follows :

(i) Producers (ii) Consumers (iii) Decomposers

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**71.** Systematics may be defined as that branch of science which deals with the diversity of life.

! Binomial nomenclature was proposed by Linnaeus.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

72. \$ Homologous organs are those which are functionally similar but different by origin.

! Homothallic plants are those which are unisexual.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**73.** § Classification based on the evolutionary relationships among the organisms is called phylogenetic classification.

! According to Binomila Nomenclature, each living organisms has a name of two parts.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**74.** § The relationship between comparable organs and structure is called Analogy .

! A group of related genera is classified as kingdom.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



**Watch Video Solution**



75. \$ Progenote is considered to be the more ancient form of life which gave rise to archaeobacteria and eubacteria.

! Monomers are always multicellular.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**76.** \$ Peptidoglycan is found in the cell wall of Algae.

! Blue-green Algae are a group of Eukaryotes.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

77. \$ Mesosome is a type of polyribosomes.

! Polyribosomes form a part of the chromosomes.

A. If both As and R are correct and R is correct

explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



**Watch Video Solution**

**78.** § Halophytes are those plants which grow in salty soils.

Heliophytes are those plants which grown in direct sunlight

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

79. \$ Spirulina is a rich source of proteins.

! Spirulina has a spiral chloroplasts.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**80.** \$ Sulphur depended archaeobacteria are called thermoacidophiles.

! Archeopteryx is considered to be a connecting link between Birds and Reptiles.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**81.** \$ Nostoc has chlorophyll "a" and phycocyanin pigments.

! Chlorophyll "a" helps in oxygenic photosynthesis.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As



C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**82.** § Protists are eukaryotes

! Eukaryotes do not have the double membraned organelles.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**Watch Video Solution**

**83.** \$ Euglena is biflagellated and has cell wall.

! Because cell wall is present, thus Euglena is a plant.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**

84. \$ The glagellum in protists is single stranded.

! Single stranded flagellum has 9+2 structure.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**85.** \$ Zygotic meiosis occurs at the time of germination of zygote.

! Zygote may be diploid or triploid

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**Watch Video Solution**

**86.** \$ Meiosis is a requirements of sexual reproduction.

! Meiosis occurs in somatic cells.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**87.** \$ In the cell wall of Dinoflagellates, there is present only one groove.

! Diatoms have two flagella.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



**Watch Video Solution**

**88.** \$ Euglena has mixotrophic nutrition.

! Mixotrophic nutrition means that nutrition is autotrophic in the presence of light and saprophytic in the absence of light .



A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: A**



**Watch Video Solution**

**89.** \$ Slime moulds are mainly saprophytic.

! Saprophytes get their nutrition from a host.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

90. \$ Forminiferance have a calcareous shell.

! Dimorphic nucleic are present in Paramacium.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



91. \$ Amoeba is a type of sporozoan.

! Sporozonas have two contractile vacules.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**92.** \$ Fungi may be heterotrophic or autotrophic.

! Mycelium of Rhizopus has uninucleated cells.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**

**93.** \$ In basidiomycetes, there are present dolipore septa.

! Ascospores are produced in *Penicillium*.

A. If both A and R are correct and R is correct explanation of A

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**94.** \$ Yeasts form a pseudomycelium.

! Yeast are prokaryotic.

- A. If both A and R are correct and R is correct explanation of A
- B. If both A and R are correct but R is not correct explanation of A
- C. If A is correct, R is wrong
- D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**



95. \$ In Basidiomycetes, there are preset dikaryotic cells called Synkaryons.

! Four exogenous spores are produced in Ascomycetes.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**96.** \$ Mycorrhiza is a type of symbiosis.

! Lichens have phycobiont and mycobiont.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

**97.** \$ *Puccinia graminis* causes rust disease of wheat.

! Sexual reproduction is absent in fungi imperfecti.

A. If both A and R are correct and R is correct explanation of A

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**98.** § That branch of science which deals with the study of Fungi is called Phycology.

! Parasitic fungi cause diseases only in plants.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**

**99.** \$ Tracheophytes are the plants with vascular tissues.

! Tracheophytes are of three types (i) Pteridophytes (ii) Gymnosperms (iii) Angiosperms

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**100.** \$ A simple but dominant gametophyte is called Prothallus.

! Prothallus is found in Bryophytes.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**101.** § Chlamydomonas has many pyrenoids.

! Pyrenoids help in the storage of oil droplets.

A. If both As and R are correct and R is correct

explanation of As



- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: c**



**Watch Video Solution**

**102.** \$ Carragenin can coagulate blood.

! Carrangenin is a type of phycocolloid.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**View Text Solution**

**103.** \$ Formation of motile gametes occurs in Red Algae.

! Motile gametes in Cycas are muticiliated.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: d**



**104.** \$ Cryptogams are those plants which have large sized sex organs.

! Pteridophytes are the cryptogams without embryo formation.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**

**105.** \$ The dominant phase in Bryophytes is called  
Thallus.

! Thallus of Funaria is monoecious and autoicous.

A. If both A and R are correct and R is correct  
explanation of A

- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**106.** \$ Green Algae are considered to be the ancestors of land plants.

! Algae differ from Fungi due to autotrophic nutrition.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

**107.** § Circinate ptyxis is found in Angiosperms.

! The male reproductive organs of Angiosperms are called antheridia.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**





**108.** \$ Hypnospores are the thick walled resting spores produced in some Algae.

! The megaspores of Pinus are also called hypnospores.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**109.** \$ Asexual reproduction is also called Apomixis.

! Apogamy shortens the life cycle of a plant.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**110.** \$ Protonema is found in the life cycle of Liverworts.

! Liverworts have multicellular rhizoids.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: c**



**Watch Video Solution**

**111.** § Fertilization with the help of a pollen tube is called Siphonogamy.

! Entry of pollen tube into the ovule through integuments is called Mesogamy.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**112.** \$ Flower is a modified shoot which helps in sexual reproduction.

! Monoparental reproduction is also called vegetative reproduction.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**113.** § Self pollination in bud condition of a flower is called cleistogamy.

! Cleistogamy is usually accompanied by geocarpy.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: A**



**Watch Video Solution**

**114.** \$ Angiosperms produce seeds, but do not produce fruits.

! Fruit and seed formation occurs in Gymnosperms.



A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



**Watch Video Solution**

**115.** \$ Orthotropous ovule has micropyle at the upper end.

! Ovule is also called megasporangium.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: b**



**116.** § Double fertilization and triple fusion occurs in Angiosperms.

! Triple fusion produces triploid type of endosperm.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**Watch Video Solution**

**117.** \$ The animals in which body temperature varies according to the surroundings are called poikilothermal animals.

! Human beings have four chambered heart.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**118.** § The animals which give birth to young ones are called oviparous.

! Earthworms lay eggs and are unisexual.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**

**119.** \$ Secondary host of *Taenia solium* is pig.

! Malarial parasite completes its life cycle in the blood of human beings alone.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**120.** \$ Arthropoda is the largest group in the animal kingdom.

! Honey bee shows polymorphism.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.



**Answer: B**



**Watch Video Solution**

**121.** \$ Mammals are warm blooded.

! Warm blooded animals can tolerate only the warm climate.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**122.** Statement: Notochord is present in vertebrates.

! Reason: Notochord is always formed of bones.

A. If both A and R are correct and R is correct

explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**123.** \$ The first formed embryonic cavity is called blastocoel.

! Annelids have a segmented body.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

**124.** \$ Neuron means a nerve cell.

! Neurons are found in the brain.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**Watch Video Solution**

**125.** \$ The excretory organs of Flatworms are called Flame cells.

! Excretory cells help in endocytosis.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**126.** \$ Silver fish is found in the sea.

! Fish represents warm blooded animals.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**127.** \$ The microfossils discovered in the earth's oldest fossil bearing rocks resemble the eubacterian and some photosynthetic cyanobacteria.

! It indicates that the simple organisms are believed to be the ancestors of all the complex forms.



A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**Watch Video Solution**

**128.** \$ Exo-biology is a branch of biology.

! It deals with the study of external characters of the living organisms.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**129.** \$ Mangrove plants grow in the deserts.

! These plants have symbiotic mycorrhizal roots.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**130.** Leghaemoglobin is a compound of Iron and is present in the root nodules of leguminous plants.

! It acts as an oxygen scavenger and forms a temporary compound by combining with oxygen.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**131.** § Tap root system is that which arises from the radicle of seed.

! Adventitious roots can also arise from the radicle.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**Watch Video Solution**

**132.** \$ Temperature is an important factors for growth.

! High temperature increses the diameter of Tap root.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



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**133.** \$ In prokaryotes, there is present a ring shaped chromosome.

! The ring shaped chromosome is called Eukaryotic Nucleus.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As



C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**134.** § The patients of cholera, vomiting and dysentery are given intravenous drip of saline solution.

! The saline solution kills the disease causing micro-organisms, after vomiting and dysentery.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**135.** \$ Kingdom Monera includes the unicellular prokaryotic organisms.

! Eukaryotes are the organisms which have a eukaryotic nucleus and double membraned organelles.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**136.** § The process of synthesis of complex organic molecules from simpler ones, by the living organisms is called Anabolisms.

! Anabolism is always useful for the organisms.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**137.** \$ Euglena is an organisms with a controversial position in classification of living organisms.

! Euglena has parasitic nutrition.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**Watch Video Solution**

**138.** \$ An incomplete flower has all the four whorls.  
! Polycarpellary apocarpous gynoecium means that there are many fused carpels.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**

**139.** \$ Unicellular eukaryotes are the simplest organisms.

! Prokaryotes have the mitochondria whereas eukaryotes are without mitochondria.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.



**Answer: D**



**Watch Video Solution**

**140.** \$ Annual plants live for only one favourable season.

! Polycarpic plants are those which produces flowers and fruits many times during their life span.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**141.** \$ The zygote develops into a multicellular organisms.

! Each cell is totipotent.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**Watch Video Solution**

**142.** \$ Pollination by insects is called self pollination.

! Cross pollination is between two genetically similar flowers.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**143.** \$ The first step towards photosynthesis is reduction of  $CO_2$ .

! ATP is released by the reduction of  $CO_2$ .

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**144.** \$ Agamospermy is the process of Asexual reproduction.

! Asexual reproduction occurs only in Algae.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**Watch Video Solution**

**145.** \$ Both the solute and solvent can pass through a semipermeable membrane.

! A semipermeable membrane is always living.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**



**146.** \$ Tap root arises from the radicle of seed.

! Radical leaves arise from the reduced stem.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

147. \$ Blue green algae have chlorophyll 'a'.

! Photosynthesis with the help of Bacteriochlorophyll releases oxygen.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**148.** \$ Photosynthesis roots are a type of Tap Root System.

! Anoxygenic photosynthesis is performed by photosynthetic roots.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**149.** § Protists are unicellular eukaryotes.

! Eukaryotes do not have a nucleoid.

A. If both As and R are correct and R is correct

explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**Watch Video Solution**

**150.** \$ Nitrogen fixing bacteria always live in symbiosis.

! Symbiosis occurs between the organisms of the same species.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**

**151.** \$ Aristotle is known as the father of biology because he was the first person to coin the term biology.

! Biology that branch of science which deals with the study of living beings alone.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**152.** § Morphology deals with the study of external characters of the organisms

! Physiology deals with the study the various functions of a living organisms.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As



C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**153.** \$ Cuscuta is dicot plant.

! In cuscuta the cotyledons are absent.

A. If both As and R are correct and R is correct

explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**Watch Video Solution**

**154.** \$ Sieve tubes in plants are formed of enucleated cells called sieve members.

! All the activities of a sieve cell are controlled by nucleated parenchyma cells.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**155.** § Pollination with the help of a pollen tube is called porogamy.

! Pollination occurs before meiosis of pollen mother cells.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**156.** § Velamen tissue can directly absorb moisture from the atmosphere

! Velamen tissue is present in desert plants.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**157.** Serendipity refers to discoveries as a result of thorough research.

! Discovery of Penicilin was not by serendipity.

A. If both As and R are correct and R is correct explanation of As

- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**158.** \$ Dinoflagellates have two grooves in the cell wall.

! There are many flagella in each groove.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**



**159.** \$ Fungi may be sometimes autotrophic.

! Stored food material in Fungi is starch.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**160.** \$ Sperm in Bryophytes are flagellated.

! Sperms in bryophytes move to the mature and dehisced archegonia, under the effect of chemicals.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**161.** \$ Funaria plant is monoecious.

! Monoecious plants are those which are always unisexual.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**162.** \$ Rhizoids of female gametophyte of selaginella are multicellular.

! Selaginella is homosporous.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



**Watch Video Solution**

**163.** \$ Those plants which produce seeds, without the formation of fruits are called Gymnosperms.

! Endosperm is triploid in Angiosperms

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**164.** \$ Soil soluiton is absorbed by all the parts of a root .

! Soil solution is always of a high concentration.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**165.** \$ The first photosynthetic organisms which show oxygenic photosynthesis were cyanobacteria.

! Photosynthesis by Eubacteria is Anoxygenic.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong



D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

**166.** Anaerobic respiration occurs in the aquatic organisms.

! Aquatic organisms are never autotrophic.

A. If both A and R are correct and R is correct explanation of A

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



**Watch Video Solution**

**167.** § Heritiera has pneumatophores.

! Respiratory roots are also called pneumathodes.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**168.** \$ Those parts of the plants which help in vegetative reproduction are called propagules.

! Vegetative propagation is a type of Asexual reproduction

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**169.** \$ Air layering is performed in those plants which have many, long flexible branches near the soil level.

! Layering method of vegetative propagation is performed in monocot plants.

A. If both As and R are correct and R is correct explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: D**



**Watch Video Solution**

**170.** § Gravitational water is that which reaches the water table of the earth.

! Movements under the effect of gravity are called geotropic movements.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

**171.** § Those genes which are present on "Y" chromosomes of human beings are called holandric genes.

! Holandric genes are present both in men as well as women.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.



**Answer: C**



**Watch Video Solution**

**172.** \$ Inheritance of flower colour in *Mirabilis jalapa* is type of polygenic inheritance.

! Polysomes are a type of chromosomes.

A. If both A<sub>s</sub> and R are correct and R is correct

explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not

correct explanation of A<sub>s</sub>

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**

**173.** § Clitoris of woman is equivalent to the penis of men.

! The process of formation of sperms is called spermatogenesis.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**174.** § Those two pairs of genes which if present in dominant stage, do not produce any expression but when present collectively in dominant stage, produce a phenotypic expression are called complementary genes.

! Inheritance of purple flower colour in Pea gives a phenotypic ratio of 9:7, as a result of selfing of F-1 - offsprings.

A. If both As and R are correct and R is correct  
explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**Watch Video Solution**

**175.** \$ In case of human beings, the process of focusing of an object by the eyes is called dioptric part.

! Diatoms are a type of Nektons.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**Watch Video Solution**

**176.** § The antidiuretic hormone (ADH) is also called Vasopressin hormone.

! Those blood vessels which carry blood away from heart are called capillaries.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**Watch Video Solution**

**177.** § The skeleton which occurs on the surface of animal body is called exoskeleton.

! Endoskeleton is formed of bones.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As



C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**178.** § Obelia has three types of zooids namely (i) polyps (ii) Balastostyles (iii) Medusae

! The occurrence of more than one forms in an individual is called polymorphisms.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: A**



**Watch Video Solution**

**179.** \$ Sea Aneomone has parasitic nutrition.

! Roundworms are also called Trematodes.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**180.** \$ Octopus is also called "Devil Fish".

! Animals of class crustacea have three pairs of appendages.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**181.** \$ Male anopheles acts as the carrier host for malarial parasite

! Sleeping Sickness is caused by Leishmonia.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**182.** \$ Scorpion has a sting in its tail

! Tube feet are present in starfish

A. If both As and R are correct and R is correct

explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**183.** \$ Electric ray fish is also called Torpedo

! Dinosaurs are also called Thunder-Lizards.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**



**184.** \$ Duck billed platypus is viviparous

! Duck is a type of platypus.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**185.** \$ If natality is greater than mortality, it leads to population explosion.

! The scientific study of various aspects of human population is called demography.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**186.** § Biosphere is a closed system

! Closed vascular bundles are having intrafascicular cambium.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**187.** \$ Phagotrophs take solid nutrition.

! Photosynthetic organisms are called Producers.

A. If both As and R are correct and R is correct

explanation of As

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**188.** \$ Pyramid of Energy is always upright

! Pyramid of biomass is always inverted.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**189.** \$ Green plants have two types of nutrition. (i)

Organic nutrition (ii) Inorganic nutrition

! Micronutrients are required in large quantities.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**190.** \$ Air pollutants are always gaseous.

! Ultraviolet rays do not cause any harm to the human beings.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.



**Answer: D**



**Watch Video Solution**

**191.** \$ Stilt roots grow obliquely into soil.

! Respiratory roots are negatively geotropic.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

**192.** § Those lateral buds which are near the apical bud are called dormant buds.

! Dormancy of lateral buds is due to Apical dominance

A. If both A and R are correct and R is correct explanation of A

- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**Watch Video Solution**

**193.** \$ Weak stems which can climb a support without any climbing organs are called Twiners.  
! Some Twiners have clinging roots.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**194.** \$ The method of arrangements of leaves on a stem is called Aestivation

! Venation in a monocot named Smilax is of the parallel type.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**195.** § Phylloclade is a stem modification.

! There are present flowers on these.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**Watch Video Solution**

**196.** \$ Xylem is a simple permanent tissue.

! Xylem is present in Bryophytes.

A. If both A<sub>s</sub> and R are correct and R is correct

explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not

correct explanation of A<sub>s</sub>

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**197.** § Sieve tubes have "P" proteins.

! In gymnosperms, sieve tubes are associated with albuminous cells.

A. If both As and R are correct and R is correct explanation of As



- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**198.** § Xylem condition in roots is exarch

! Xylem has four different types of cells.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**199.** \$ Secondary growth occurs in those plants which have closed vascular bundles.

! Cork is produced by intrafascicular cambium.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**200.** \$ Leaves of monocots are amphistomatic.

! Dicot leaf has dimorphic cells in mesophyll.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**201.** \$ In osmosis, semipermeable membrane is a must.

! Cell wall is semipermeable.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**202.** \$ "Transpiration pull Theory" was proposed by Dixon and Joly .

! Loss of water droplets from hydathodes is called Guttation.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

203. \$ Water potential of distilled water is zero.

!  $C_2$  cycle is also called Kelvin cycle.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**Watch Video Solution**



**204.** § those substances which reduce the rate of transpiration are called transpirants.

! Imbibition causes Osmotic pressure.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**205.** § Chlorosis means destruction or the loss of chlorophyll pigments.

Chlorosis cause geotropism

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**206.** § The phenomenon of soil-less culture of plants is called Hydroponics.

! Donnan equilibrium is due to fixed ions in the cells

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



**Watch Video Solution**

207. \$ Flower of Rafflesia is largest sized.

! Large flowers have wind pollination

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**Watch Video Solution**

**208.** \$ Insectivorous plants get nitrogenous nutrition from the insects.

IAA is growth promoter.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**209.** \$ Process of separation of photosynthetic pigments is called chromatography

! Chromatophore have accessory photosynthetic pigments such as phycocyanin.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**View Text Solution**

**210.**  $P_{680}$  is called PS II

! C-4 plants have photorespiration.

A. If both As and R are correct and R is correct

explanation of As



- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: C**



**View Text Solution**

**211.** \$ Rhipidium is a type of helicoid uniparouscyme.

! Sorosis fruit is an aggregated fruit.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: D**



**Watch Video Solution**

212. \$ Actinomorphic flower has a regular symmetry.

! Shoe-flower is actinomorphic.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: A**



**213.** \$ Diadelphous has two groups of epipetalous stamens.

! Dichogamy refers to unisexual flowers.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**214.** \$ Single cotyledon of monocots is called  
Scutellum

! Monocots show secondary growth.

A. If both As and R are correct and R is correct  
explanation of As

B. If both As and R are correct but R is not  
correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**215.** \$ Grafting is always between a stock and scion.

! Movements under the effect of shock are called Seismonastic.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

**216.** \$ Blood is a type of fluid tissue.

! Blood has erythrocytes, Leucocytes, thrombocytes and plasma.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**





217. \$ There are present vili in the intestine.

! Ileum is the other name of small intestine.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**218.** \$ The fine branches of trachea are called bronchioles.

! Bronchitis is a respiratory diseases.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**219.** § The blood vessels called arteries have thick walls.

! Blood transfusion should not be done without testing the blood group and Rh factor.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

220. \$ Bowman's capsules are present in the kidneys of human beings.

! Bowman's capsule is associated with henle's loop

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**221.** \$ Cerebrum is formed of four cerebral hemispheres.

! Pituitary gland is not a type of endocrine gland.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**222.** \$ The reproductive cells in the testes are called spermatocytes.

! Labia majora is a part of the external genitalia of human females.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**223.** \$ Gregor mendel is also known as the "father of biology"

! He gave the law of Epistasis.

A. If both As and R are correct and R is correct  
explanation of As



- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**224.** \$ A cross between the pure recessive parent and the F-1 offspring is called Test cross.

! Test cross is a type of Back cross.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: A**



**Watch Video Solution**

225. \$ Incomplete dominance is due to geneninteraction.

! Complementray genes give the ratio 9:7

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**226.** Sickle cell anaemia is a type of pleiotropy.

! Sex linked inheritance is also called criss cross inheritance.

- A. If both A and R are correct and R is correct explanation of A
- B. If both A and R are correct but R is not correct explanation of A
- C. If A is correct, R is wrong
- D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

**227.** § The term chromosome was introduced by Waldeyer.

! Sex chromosomes are also called Heterosomes.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**228.** \$ DNA replication in a bacterial cell is bidirectional.

! A chromosomes with primary constriction is called "SAT" chromosomes.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**229.** \$ A chromosomes with equal sized arms is called isobrachial.

! Barr bodies are present in the cells of human females.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.



**Answer: B**



**Watch Video Solution**

**230.** \$ Haemophilia is a sex linked disease

! Haemophilia is due to a recessive gene.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both A and R are wrong.

**Answer: A**



**Watch Video Solution**

**231.**  $XX^C$  represents the genotype of a human female which acts as carrier of genes for colour blindness.

! Any change in the structure of a chromosome leads to mutations.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: B**



**Watch Video Solution**

232. § When the total number of chromosomes is not the exact multiple of the haploid number of an organisms, the phenomenon is called euploidy.

! Euploidy can be Nullisomic also.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**233.** \$ Inheritance of Kappa particles in Paramecium is type of extra-nuclear inheritance.

! The above process is also called Cytoplasmic inheritance.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**234.** \$ Night blindness is due to deficiency of vitamin "A"

! Actually the term vitamin means vital minerals.

A. If both As and R are correct and R is correct explanation of As

- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**235.** \$ Genetic constitution of a person with Klinefelter's syndrome is XXY.

! The experiment about transformation in bacteria was performed by Griffith.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**



236. \$ "A" DNA contains eleven base pairs.

! "Z" DNA contains only nine base pairs.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: C**



**Watch Video Solution**

**237.** § DNA replication is semiconservative.

! Helicases are the enzymes which can break the hydrogen bonds between the nucleotides of DNA

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**238.** § That branch of biology which deals with the study of origin of life is called biopoiesis.

! Biogenesis the process of origin of life from the pre-existing life.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**239.** \$ The Heterotroph theory of origin of life was proposed by Haldane.

! That part of earth which is without any traces of life is called Abiotic earth.

A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>

B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>

C. If A<sub>s</sub> is correct, R is wrong

D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

**240.** \$ Wing of a bat is said to be homologous to the wing of bird and analogous to the wing of an insect.

! Homologous organs are similar in function but analogous organs are similar in origin.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**241.** § Colchicine is a chemical which can arrest cell division at metaphase

! Colchicine is also called mitotic tympanic cavity of the ear.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**View Text Solution**

**242.** \$ Benign tumour remains confined whereas a malignant tumour undergoes metastasis.

! Tympanic fluid is filled in the tympanic cavity of the ear.



A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: C**



**Watch Video Solution**

**243.** Ability of a gene to express more than one characters is called Pleiotropy.

! The occurrence of a bacterium in more than one morphological forms is called poly-morphisms.

- A. If both As and R are correct and R is correct explanation of As
- B. If both As and R are correct but R is not correct explanation of As
- C. If As is correct, R is wrong
- D. If both As and R are wrong.

**Answer: B**



**Watch Video Solution**

**244.** § The tissue which connects a bone to the muscles is called cartilage.

! Haemoglobin of blood combines permanently with oxygen

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**245.** \$ The enzymes which joins short pieces DNA in the lagging strand is called ligase.

! Lagging strand and leading strand are formed due to replication fork.

A. If both A and R are correct and R is correct explanation of A

B. If both A and R are correct but R is not correct explanation of A

C. If A is correct, R is wrong

D. If both A and R are wrong.

**Answer: A**



**Watch Video Solution**

**246.** \$ Human population can be controlled with the help of certain devices such as condoms, copper T and diaphragm.

! All the above devices acts as barriers for fertilization.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: A**



**Watch Video Solution**

**247.** \$ Crop rotation decreases the soil fertility.

! High concentration of minerals is required as fertilizers.

A. If both As and R are correct and R is correct

explanation of As

B. If both As and R are correct but R is not

correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: D**



**Watch Video Solution**

**248.** \$ Modern wheat is hexaploid.

! Polyploidy leads to the formation of new varieties.

A. If both As and R are correct and R is correct explanation of As



- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: A**



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**249.** \$ Appearance of pubic hair in human beings indicates the onset of puberty.

! Pubis is a bone of the pelvic girdle of human beings.

- A. If both A<sub>s</sub> and R are correct and R is correct explanation of A<sub>s</sub>
- B. If both A<sub>s</sub> and R are correct but R is not correct explanation of A<sub>s</sub>
- C. If A<sub>s</sub> is correct, R is wrong
- D. If both A<sub>s</sub> and R are wrong.

**Answer: B**



**Watch Video Solution**

250. \$ The endocrine part of human pancreas is represented by  $\alpha$  a and  $\beta$  cells.

! Endocrine gland have ducts.

A. If both As and R are correct and R is correct explanation of As

B. If both As and R are correct but R is not correct explanation of As

C. If As is correct, R is wrong

D. If both As and R are wrong.

**Answer: C**



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## Model test paper-1

1. The term taxonomy was coined by

- A. Linnaeuse
- B. De Candolle
- C. Lamarck
- D. Aristotle

**Answer: B**



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2. Crocodile heart is

- A. Two chambered
- B. Three chambered
- C. Four chambered
- D. Multi-chambered

**Answer: C**



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3. Bird differs from bat in the absence of

- A. Homoiotheramy
- B. Four chambered heart
- C. Tracheae
- D. Diaphragm

**Answer: D**



**Watch Video Solution**

4. Biotic potential is increase in population under

- A. Natural conditons
- B. Climatic conditions
- C. Optimum conditions
- D. Given coditions

**Answer: C**



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5. Dunaliella is able to live under saline conditions by storing

- A. Glycerol

B. Sorbitol

C. Proline

D. Starch

**Answer: A**



**Watch Video Solution**

**6. Association between barnacle and Limulus is :**

A. Symbiosis

B. Commensalism

C. Parasitism



D. Predatorship

**Answer: B**



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7. Deciduous forests have:

- A. Variety of grasses
- B. Broad leaved trees
- C. Narrow leaved trees
- D. Variety of Crocodiles

**Answer: B**



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**8. Which of the following process helps in nutrient conservation**

A. Mineralisation

B. Immobilisation

C. Leaching

D. Nitrification

**Answer: B**



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9. In India grasslands occur in area

A. 0.05

B. 0.13

C. 0.18

D. 0.23

**Answer: C**



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10. Eutrophication of water body occurs due to addition of

A. Detergents

B. Fertilizers

C. Sewage

D. All of above

**Answer: D**



**Watch Video Solution**

11. Endangered plant species are conserved through

- A. Herbarium
- B. Gene library
- C. Gene bank
- D. Reducing pollution

**Answer: C**



**Watch Video Solution**

12. Segregation of genes takes place during

A. Metaphase

B. Anaphase

C. Prophase

D. Embryo formation

**Answer: B**



**Watch Video Solution**

**13.** A double homozygous yellow round plant of Pea is crossed with green wrinkled plant. The offspring shall be of

- A. One type
- B. Two types
- C. Four types
- D. Several types

**Answer: A**



**Watch Video Solution**

**14.** Phenotype is influenced by

A. Environment

B. Development

C. Ageing

D. All of above

**Answer: D**



**Watch Video Solution**

**15.** Multiple root caps occur in



A. Maize

B. Pandanus

C. Vanda

D. Piper bette

**Answer: B**



**Watch Video Solution**

**16.** Thorn is a stem structure because it is

A. Axillary

B. Like a branch

C. Hard pointed structure

D. Aerial

**Answer: A**



**Watch Video Solution**

**17. Plants without leaves during one season are**

A. Caducous

B. Deciduous

C. Evergreen

D. Semigreen

**Answer: B**



**Watch Video Solution**

**18.** A flask-shaped fleshy receptacle enclosing both the types of flowers is present in

- A. Cyathium
- B. Hypanthodium
- C. Coenanthium
- D. Spadix

**Answer: B**



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19. which one of the following has compound umbel

A. Coriandrum

B. Androsace

C. Centella

D. Morus

**Answer: A**



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20. Anthers are fused and filaments are free in

A. Sunflower

B. Gossypium

C. Murraya

D. Petunia

**Answer: A**



**Watch Video Solution**

21. Uniparous branching occurs in

A. Mirabilis

B. Euphorbia

C. Saraca

D. Viscum

**Answer: C**



**Watch Video Solution**

**22.** Bitterness of cucurbits is due to

A. Alkalinity of pulp

B. Bitter seeds

C. Triterpenes

D. Acidity

**Answer: C**



**Watch Video Solution**

**23. Lacunate collenchyma occurs in**

A. Tomato

B. Sunflower

C. Tangetes

D. Cucurbite

**Answer: D**



**Watch Video Solution**

**24.** Gene mutations occurs in

A. Chromosomes

B. DNA

C. RNA

D. Nucleus

**Answer: B**



**Watch Video Solution**



25. Chromosomal basis of sex determination was discovered in the plant :

A. Rumex

B. Melandrium

C. Concinia

D. Spharocarpus

**Answer: B**



**Watch Video Solution**

26. The terms cistron, recon and muton were coined by

- A. Ingram
- B. Leaderberg
- C. Benzer
- D. Basteson

**Answer: C**



**Watch Video Solution**

27. Smallest segment of genetic material affected by mutation is

- A. Recon
- B. Cistron
- C. Muton
- D. Exon

**Answer: C**



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28. DNA strand is synthesized in the direction

A.  $5' \rightarrow 3'$

B.  $3' \rightarrow 5'$

C.  $1' \rightarrow 4'$

D.  $6' \rightarrow 1'$

**Answer: A**



**Watch Video Solution**

29. Okazaki fragments give rise to

A. Master strand

B. Sense strand

C. Lagging strand

D. Leading strand

**Answer: C**



**Watch Video Solution**

**30.** A gene that takes part in synthesis of polypeptide is

A. Structural gene

B. Regulator gene

C. Operator gene

D. Leading strand

**Answer: A**



**Watch Video Solution**

**31. Baterial transformation was discovered by**

A. Avery et al

B. Watson and Crick

C. Griffith

D. Hershey and Chase

**Answer: C**



**Watch Video Solution**

**32. Coconut fruit is dispersed by**

A. Air

B. Animals

C. Autochory

D. Water

**Answer: D**



**Watch Video Solution**

**33.** Microscopic structure having par nuclei is

A. Pollen tube

B. Embryo sac

C. Pollen grain

D. Male gamete

**Answer: B**



**Watch Video Solution**



34. A diploid female plant and a tetraploid male plant are crossed. The ploidy of endosperm shall be

- A. Tetraploid
- B. Triploid
- C. Diploid
- D. Pentaploid

**Answer: A**



**Watch Video Solution**

35. Virus free plants can be obtained by

- A. Antibiotic treatment
- B. Bordeaux mixture
- C. Root tip culture
- D. Shoot tip culture

**Answer: D**



**Watch Video Solution**

36. Differentiation of callus into plant parts is

- A. Embryogenesis
- B. Embryoid formation
- C. Morphogenesis
- D. Totipotency

**Answer: C**



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**37. Vegetative shoot apex or stem apical meristem is**

- A. Conical

B. Broad

C. Braod and flat

D. Norrow

**Answer: A**



**Watch Video Solution**

**38.** Vessels are absent in

A. Teak wood

B. shisham wood

C. chir wood

D. saal wood

**Answer: C**



**Watch Video Solution**

**39.** Leptom is the name of

A. Out part of bark

B. Living part of bark

C. Phloem

D. Conducting part of phloem

**Answer: D**



**Watch Video Solution**

**40.** Inter-fascicular cambium is formed from the cells of

A. Cortex

B. Pith

C. Pericycle

D. Medullary rays

**Answer: D**



Watch Video Solution

41. The waxy substance associated with cell walls of cork cells is or cork cells are imprevious to water becauce of the presence or what is deposited on cork cells

- A. Cutin
- B. Lignin
- C. suberin
- D. Chitin

**Answer: C**



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**42.** Root hairs absorb water from soil due to

- A. Osmotic pressure
- B. Atmospheric pressure
- C. Turgor pressure
- D. Suction pressure

**Answer: D**



[Watch Video Solution](#)



**43.** Alveoli are unable to receive full oxygen due to flattening of tracheal and bronchial vessels in

- A. Bronchitis
- B. Asthma
- C. Emphysema
- D. Pneumonia

**Answer: B**



**Watch Video Solution**

**44.** The osmotic theory of active water absorption was first given by

- A. Kramer(1941)
- B. Eaton (1943)
- C. Atkins (1916 )
- D. Priestley (1923)

**Answer: C**



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45. Root pressure can be measured by means of

- A. Porometer
- B. Potometer
- C. Auxanometer
- D. Manometer

**Answer: D**



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46. Major nitrogen fixation is carried out by

- A. Lightning
- B. Chemical industries
- C. symbiotic bacteria
- D. Leaching

**Answer: C**



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**47.** Thylakoids removed from chloroplasts were kept in illuminated culture having  $CO_2$  and water. It did not produce sugar because of

- A. Absence of enzymes
- B. Nonlinking of PS 1 and PS 2
- C. Absence of light trapping
- D. Nonformation of light assimilatory power

**Answer: A**



**Watch Video Solution**

**48.** Which of the following constitutes Hill reaction

- A. Photolysis by chloroplasts

- B. Photolysis of water by isolated chloroplasts forming ATP and NADPH
- C. Photolysis of water by isolated illuminated chloroplasts causing reduction of some chemicals and liberation of oxygen
- D. Photolysis of water liberation oxygen and hydrogen by illuminated isolated chloroplasts

**Answer: C**



**Watch Video Solution**

**49.** Inflammation reaction is brought about by

- A. Mast cells
- B. Plasma cells
- C. Macrophages
- D. Adipose cells

**Answer: A**



**Watch Video Solution**

**50.** Oxygen containing carotenoids are

A. Carotenes

B. Xanthophylls

C. Phycobillis

D. Anthocyanins

**Answer: B**



**Watch Video Solution**

**51.** Phyotron is a device by whiovh

A. Electrons are bombarded

B. Protons are liberated



C. Plants are grown in controlled environment

D. Mutations are produced in plants

**Answer: C**



**Watch Video Solution**

52. What will be the effect on photochrome in a plant subjected to continuous red light

A. Increased synthesis

B. Decreased level

C. Destruction

D. Destruction and synthesis remain in balance

**Answer: D**



**Watch Video Solution**

**53.** Which of the following is a cytokinin ?

A. Phytochrome

B. Leucine

C. Ethylene

D. Zeatin

**Answer: D**



**Watch Video Solution**

**54. Phytochrome was isolated by**

A. Butter et al

B. W.Went

C. R.Hill

D. Borthwick et al

**Answer: A**



**Watch Video Solution**

55. Movements caused by internal factors are

- A. Paratonic
- B. Intrinsic
- C. Rheotropism
- D. Autonomic

**Answer: D**



**Watch Video Solution**

56. Sleep movement Papaya/Balsam is

A. Autonomic movement

B. Growth movement

C. Tropic movement

D. Movement of locomotion

**Answer: B**



**Watch Video Solution**

57. Goblet cells are

- A. Unicellular glands
- B. Multicellular glands
- C. Stratified epithelium
- D. Dead keratinised cells

**Answer: A**



**Watch Video Solution**

**58.** Direction of nerve impulse is reversed in nerve with

- A. Axo -axonic

B. Axo-dendrite

C. Axo -axondendritic

D. None of the above

**Answer: A**



**Watch Video Solution**

**59.** Kupffer's cells are

A. Hormone secreting

B. Fat cells

C. Mast cells

D. Phagocytic

**Answer: D**



**Watch Video Solution**

**60.** Heparin is secreted by

A. Kidney

B. Blood cells

C. Nerve cells

D. Liver



**Answer: D**



**Watch Video Solution**

**61. Bunodont teeth occur in**

A. Elephant

B. Sheep

C. Carnivores

D. Humans

**Answer: D**



**Watch Video Solution**

62. Taenia coli are constituent of

A. Ileum

B. Caecum

C. Rectum

D. Colon

**Answer: D**



**Watch Video Solution**

**63.** Recombinant DNA or r DNA technology was discovered by

- A. Watson and Crick
- B. Sutton and Avery
- C. Cohen and Boyer
- D. Bateson and de Vries

**Answer: C**



**Watch Video Solution**

**64.** The ventilation movements of the lungs in mammals are governed by

- A. Muscular wall of the lungs
- B. Intercostal muscles
- C. Diaphragm
- D. Diaphragm and intercostal muscles

**Answer: D**



**Watch Video Solution**

65. The dissociation curve is associated with

- A. Carbonic of erythrocytes
- B. Carbon dioxide
- C. Oxygen
- D. Oxyhaemoglobin

**Answer: D**



**Watch Video Solution**

66. The coagulation of blood occurs due to

- A. Destruction of erythrocytes
- B. Destruction of leucocytes
- C. Change of fibrinogen into fibrin
- D. Formation of serum

**Answer: C**



**Watch Video Solution**

**67.** Which one is the common anticoagulant used for preserving blood?

- A. NaCl

B. Sodium oxalate

C. KCl

D. Thromboplastin

**Answer: B**



**Watch Video Solution**

**68.** Heart beat is initiated by

A. A V node

B. SA node

C. Bundle of His

D. Purkinje fibres

**Answer: B**



**Watch Video Solution**

**69.** Cold blooded animal with a single circulation is

A. Fish

B. Ampibian

C. Reptile

D. All the abovse



**Answer: A**



**Watch Video Solution**

**70.** Glycosuria is the term used for

- A. Loss of glucose in urine
- B. Loss of blood in urine
- C. Loss of salts in urine
- D. Noen of these

**Answer: A**



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71. The glomerular afferent arteriole has a pressure of

A. + 120 mm Hg

B. - 120 mm Hg

C. + 95 mm Hg

D. + 75 mm Hg.

**Answer: D**



**Watch Video Solution**

72. The number of pairs of false ribs is

A. 2

B. 3

C. 4

D. 7

**Answer: B**



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73. Corpora striata is

- A. Roof of lateral ventricle
- B. Floor of lateral ventricle
- C. Lateral walls of lateral ventricle
- D. None of these

**Answer: B**



**Watch Video Solution**

**74.** Arbor vitae is composed of

- A. Grey matter
- B. White matter

C. Neuroglia cells

D. All of above

**Answer: B**



**Watch Video Solution**

**75. Macula lutea is part of**

A. Optic nerve

B. Sclerotic

C. Choroid

D. Retina

**Answer: D**



**Watch Video Solution**

**76.** Largest ear ossicle is

A. Incus

B. Stapes

C. Malleus

D. Stapedial plate

**Answer: C**



**Watch Video Solution**

77. Hormones of pituitary gland are

A. All steroids

B. All proteins

C. Some steroids and some proteins

D. Complex substances formed from proteins

steroids, carbohydrates

**Answer: B**



**Watch Video Solution**

**78.** The primary target of the hormones of hypothalamus is

A. Pineal gland

B. Thymus

C. Pituitary

D. Testis

**Answer: C**



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79. Stages in menstrual cycle are

- A. Recovery phase and proliferative stage
- B. Proliferative phase and secretory phase
- C. Proliferatives, secretory and menstrual phase
- D. Recovery phase, secretory phase and phase of menstrual flow

**Answer: C**



**Watch Video Solution**

**80.** Lower narrow end of uterus is called

A. Urethra

B. Cervix

C. Clitoris

D. Vulva

**Answer: B**



**Watch Video Solution**

**81.** The discoblastula is found in

A. Echidna

B. Man

C. Branchiostoma

D. Rana

**Answer: A**



**Watch Video Solution**

**82.** Alimentary canal is derived from

A. Endoderm

B. Ectoderm

C. Mesoderm

D. Ectoderm and endoderm

**Answer: A**



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**83.** Which enzyme is located on the inner mitochondrial membrane

A. Lactate dehydrogenase

B. Malate dehydrogenase

C. Isocitrate dehydrogenase

## D. Succinate dehydrogenase

**Answer: D**



**Watch Video Solution**

**84.** Number of DNA coils over a nucleosome is

A.  $\frac{23}{4}$

B.  $\frac{21}{4}$

C.  $\frac{13}{4}$

D.  $\frac{11}{4}$

**Answer: C**



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**85.** In microbial genetics which one is referred to as "Griffith effect"?

- A. DNA Transcription
- B. RNA translation
- C. Bacterial transformation
- D. Bacterial transduction

**Answer: C**



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**86.** Diversity of habitat over a geographical area is

- A. Alpha diversity
- B. Beta diversity
- C. Gamma diversity
- D. Delta diversity

**Answer: C**



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87. Sympatric speciation develops reproductive isolation without

- A. Geographic
- B. Barrier to mating
- C. Barrier to gene flow
- D. Genetic change

**Answer: A**



**Watch Video Solution**



**88.** Induced breeding is carried out with the help of extract from

- A. Thyroid
- B. Parathyroid
- C. Pituitary
- D. Adrenal

**Answer: C**



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89. Prosthesis that is designed to generate repetitive electrical impulses to the heart, is known as

- A. Artificial cardiac pacemaker
- B. Artificial heart valve
- C. Intra-aortic balloon pump
- D. Heart- lung machine

**Answer: A**



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**90.** Immunomodulators are

- A. Interleukins
- B. Interferons
- C. Tumour necrosis factors
- D. All the above

**Answer: D**



**Watch Video Solution**

**91.** Lysozyme occurs in

A. Tears

B. Tears and saliva

C. Tears, saliva, sweat and mucus

D. Gastric juice

**Answer: C**



**Watch Video Solution**

**92.** Immunodeficiency can result from

A. Gene mutation

B. Infection

C. Malnutrition

D. All the above

**Answer: D**



**Watch Video Solution**

**93.** Antibiotic useful in treatment is anthrax is

A. Penicillin

B. Chloramphenicol

C. Ciprofloxacin

D. Erythromycin

**Answer: C**



**Watch Video Solution**

**94.** Foot and mouth disease of animals is caused by

- A. Bacterium
- B. Protozoan
- C. Virus
- D. Worm

**Answer: C**



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95. Severely undernourished component of human population is

A. 0.2

B. 0.4

C. 0.5

D. 0.6

**Answer: A**



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96. Mortality rate is higher in

- A. Male infants than female infants
- B. Male youth than female young
- C. Male elderly than female elderly
- D. All of above

**Answer: D**



**Watch Video Solution**



**97.** Pyramid of population for Europe and North America is

- A. Urn-shaped
- B. Bell-shaped
- C. Triangular
- D. Dumb- bell shaped

**Answer: A**



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**98.** Number of known species of organisms on this earth is

A. 5.0 million

B. 3.2 million

C. 1.7 million

D. 1.32 million

**Answer: C**



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**99.** Discovery of new species has recently picked up due to project

A. Species 2000

B. Global Diversity Information Facility

C. Agenda 21

D. Both A and B

**Answer: D**



**Watch Video Solution**

**100.** Competition results in

- A. Extinction
- B. Creation of niches
- C. Symbiosis
- D. Mutation

**Answer: A**



**Watch Video Solution**

**Model test paper-2**

1. In Maize grain, plumule is covered by protective sheath called

A. Coeorrhiza

B. Coleoptile

C. Tegmen

D. Scutellum

**Answer: B**



**Watch Video Solution**

2. The edile part in fruit of Almond/Trapa is

A. Endrocarp

B. Mesocarp

C. Epicarp

D. Cothledons

**Answer: B**



**Watch Video Solution**

**3. Seed leaf is**

A. Leaf present over the plumule

B. Cothledon

C. Coleoptile

D. Mesocotyl

**Answer: B**



**Watch Video Solution**

4. Chromosomes found in the salivary glands of *Drosophila* are

A. Polytene

B. Supernumerary

C. Lampbrush

D. B -chromosome

**Answer: A**



**Watch Video Solution**

5. The term mutation was coined by

A. Morgen

B. Beadle and Tatum

C. Hugo de Vries

D. H. J. Muller



**Answer: C**



**Watch Video Solution**

**6. XX-XO sex chromosome complement occurs in**

- A. Cockroach
- B. Honey bee
- C. Chimpanzee
- D. Human female

**Answer: A**



**Watch Video Solution**

7. Which one is homogenetics ?

- A. Human child
- B. Human embryo
- C. Human male
- D. Human female

**Answer: B**



**Watch Video Solution**

8. A codon specifies the same amino acid in Brassica and homo because codons are

A. Non-overlapping

B. Commaless

C. Universal

D. Nonambiguous

**Answer: C**



**Watch Video Solution**

9. Adapter molecule is

A. mRNA

B. rRNA

C. DNA

D. tRNA

**Answer: D**



[Watch Video Solution](#)

10. Enzyme that cuts DNA at specific sites is

A. Restriction endonuclease

B. DNA ligase

C. DNA polymerase

D. Reverse transcriptase

**Answer: A**



**Watch Video Solution**

**11. Bt cotton is**

A. Transgenic plant

B. Mutated plant

C. Cloned plant

D. Hybrid plant

**Answer: A**



**Watch Video Solution**

**12. Seeds are beset with tiger's claw in**

A. Martynia

B. Xanthium

C. Spear Grass

D. Puncture Vine

**Answer: A**



**Watch Video Solution**

**13. Which is part of female reproductive system**

A. Stamen

B. Anther

C. Microspore

D. Embryo sac.

**Answer: D**



**Watch Video Solution**

14. The gametes taking part in double fertilization are

A. 5

B. 4

C. 3

D. 2

**Answer: C**



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15. Tissue culture technique was first attempted by

- A. Haberlandt
- B. Nonbecourt
- C. Hanning
- D. Gautheret

**Answer: A**



**Watch Video Solution**

16. Auxenic culture is

- A. Culture of tissue
- B. Culture of genes
- C. Pure culture without contamination
- D. Pure culture of microbe without any external nutrient

**Answer: C**



**Watch Video Solution**

**17. Pith is produced by the activity of**

- A. Lateral meristem

B. Protoderm

C. Procambicum

D. Ground meristem

**Answer: D**



**Watch Video Solution**

**18.** Non-cellular layer that connects epithelium to connective tissue is

A. Basement membrane

B. Epidermis

C. Dermis

D. Cell junction

**Answer: A**



**Watch Video Solution**

**19.** In which of the following , phloem occurs in two patches ?

A. Maize

B. Cucurbita

C. Sunflower

D. Dracaena

**Answer: B**



**Watch Video Solution**

**20.** the endarkh condition is characteristic of

A. Root

B. Stem

C. Leaves

D. Petiole

**Answer: B**



**Watch Video Solution**

**21. stomatal crypts are found in the leaf of**

A. Sunflower

B. Olender

C. Maize

D. Nymphaea

**Answer: B**



**Watch Video Solution**

22. The pressure exerted by wall of the cell on the protoplast is

A. W.P.

B. T.P.

C. D. P.

D. O.P.

**Answer: A**



**Watch Video Solution**

23. The number of phenotypes in ABO blood groups is

A. 2

B. 3

C. 4

D. 6

**Answer: C**



**Watch Video Solution**



**24.** Many transplanted seedling may not survive because

- A. Damage to root hairs
- B. Damage to leaves
- C. Change in soil organisms
- D. Noneavailability of required minerals

**Answer: A**



**Watch Video Solution**

25. At  $0^{\circ}\text{C}$  soil temperature the rate of water absorption

A. Increases

B. Not effected

C. Derreases

D. Appreciable

**Answer: C**



**Watch Video Solution**

26. Hydroponics is growing plants in

- A. Laboratory
- B. Phytotron
- C. Liquid culture medium
- D. Solid culture medium

**Answer: C**



**Watch Video Solution**

27. Red drop is

- A. Drop in oxygen yield
- B. Drop is quantum yield
- C. Drop in organic yield
- D. Drop in photosynthetic yield

**Answer: D**



**Watch Video Solution**

**28.** In  $C_4$ -Plants, Calvin cycle enzymes are absent in

- A. Mesophyll chloroplasts
- B. Bundle sheath chloroplasts

C. Guard cell chloroplasts

D. Epidermal chloroplasts

**Answer: A**



**Watch Video Solution**

**29.** Quantosomes occur in

A. Chloroplasts

B. Mithochondria

C. Nucleus

D. Lysosomes

**Answer: A**



**Watch Video Solution**

**30. *RuBisCO* content of chloroplast is**

A. 0.2

B. 0.05

C. 0.11

D. 0.16

**Answer: D**



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31. Photoperiodism is probably due to synthesis of

A. Cytokinins

B. Gibberellins

C. Auxin

D. Florigen

**Answer: D**



**Watch Video Solution**

32. Movement of auxin is

A. Centripetal

B. Basipetal

C. Acropetal

D. Both (B)and (C)

**Answer: B**



**Watch Video Solution**

33. Hormone responsible for ageing is



A. GA

B. IAA

C. ABA

D. Cytokinin

**Answer: C**



**Watch Video Solution**

**34.** Development of fruit without fertilisation is

A. Parthenogenesis

B. Parthenocarpy

C. Apospory

D. Apogamy

**Answer: B**



**Watch Video Solution**

**35.** Direction of light is detected by

A. Phytochrome

B. Amyloplants

C. Carotenoids

D. Plant receptors

**Answer: C**



**Watch Video Solution**

**36.** Movements in *Mimosa pudica* are due to turgor changes in

- A. Pulvinus and pulvinnules
- B. Pinna and pinnules
- C. Leaf and leaflets
- D. Petiole and rachis

**Answer: A**



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**37.** The surface of nerve fibres bear narrow areas called

- A. Schwann cells
- B. Schwann nodes
- C. Nissl granules
- D. Nodes of Ranvier

**Answer: D**



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**38.** Granulocytes are produced in

- A. Liver
- B. Bone marrow
- C. Spleen
- D. None of these

**Answer: B**



**Watch Video Solution**

**39.** Lamina propria is a layer of

A. Reticular connective tissue

B. Fibrous connective tissue

C. Adipose connective tissue

D. Fluid connective tissue

**Answer: A**



**Watch Video Solution**

**40.** In Rabbit sweat glands are present in

A. Near the eyes

B. The digits

C. The lips

D. Noen of these

**Answer: C**



**Watch Video Solution**

**41.** Production of gastro-intestinal secretions and movement soon after ingestion of food are brought about by

A. Central nervous system

B. Sympathetic nerous system

C. Parasympathetic nervous system

D. Peripheral nervous system

**Answer: C**



**Watch Video Solution**

**42.** Beri-beri is debility due to deficiency of

A. Biotin

B. Thiamine

C. Riboflavin

D. Nicotinamide



**Answer: B**



**Watch Video Solution**

**43.** The three secretion meeting the food in small intestine are

- A. Bile, pancreatic juice and intestinal juice
- B. Pancreatic juice, intestinal juice and gastric juice
- C. Bile, pancreatic juice and gastric juice
- D. Bile, gastric juice and saliva

**Answer: A**



**Watch Video Solution**

**44.** Chameleon belongs to class

A. Amphibia

B. Aves

C. Mammalia

D. Reptilia

**Answer: D**



**Watch Video Solution**

45. Tidal volume in human being is

A. 100 ml

B. 1500 ml

C. 500 ml

D. 4.5 liters

**Answer: C**



**Watch Video Solution**

**46.** Mammalian heart is

A. Neurogenic

B. Myogenic

C. Digenic

D. None of the above

**Answer: B**



**Watch Video Solution**

**47.** Blood is

A. Alkaline

B. Acidic

C. Neutral

D. None of the above

**Answer: A**



**Watch Video Solution**

**48.** Function of SA node is

A. Muscular pain

B. Contraction of lungs

C. Uricotelic

D. None of the above

**Answer: C**



**Watch Video Solution**

**49. Man is**

A. Ammpmptelic

B. Ureotelic

C. Uricotelic

D. None of the above

**Answer: B**



**Watch Video Solution**

**50.** The kidneys not only remove the waste products from the blood but also play a very important role in maintaining

A. Equilibrium of the body

B. Temperature of the body

C. Constant composition of the blood

irrespective of nature of the food or fluid

intake

D. Constante blood pressure

**Answer: C**



**Watch Video Solution**

**51. Which one is an accessory extretory organ ?**

A. Liver

B. Stomach

C. Intestine

D. Heart



**Answer: A**



**Watch Video Solution**

**52.** Bone formed by ossification of tendons is called

- A. Replacing bone
- B. Sesamoid bone
- C. Investing bone
- D. None of the above

**Answer: B**



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**53.** Tela chorodea is the term used for

- A. Fused pia mater and grey matter
- B. The middle coat of eye
- C. Epithalamus and pia mater fused
- D. None of the above

**Answer: C**



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**54.** Which cells do not divide after birth ?

- A. Nerve cells
- B. Germ cells
- C. Muscle cells
- D. Osteocytes

**Answer: A**



**Watch Video Solution**

**55.** Organs of Ruffini are receptors of

A. Cold

B. Pressure

C. Heat

D. Touch

**Answer: C**



**Watch Video Solution**

**56.** Sour taste is perceived on the tongue at

A. Tip

B. Sides

C. Upper surface of front half

D. Back

**Answer: B**



**Watch Video Solution**

**57.** An organ where a hormone shows its effect is called

A. Effector

B. Target

C. Initiator

D. Terminator

**Answer: B**



**Watch Video Solution**

**58.** Spirulina belongs to the kingdom

A. Monera

B. Protista

C. Fungi

D. Plantae

**Answer: A**



**Watch Video Solution**

**59. Gestation period of Rat is**

A. 5 weeks

B. 4 weeks

C. 3 weeks

D. 2 weeks

**Answer: C**



**Watch Video Solution**

**60.** The fertilisation in mammals including human beings takes place in

- A. Vestibule
- B. Vagina
- C. Fallopian tubes
- D. Uterus

**Answer: C**



**Watch Video Solution**



**61.** Vitelline membrane is a

- A. Primary egg membrane
- B. Secondary egg membrane
- C. Tertiary egg membrane
- D. None of these

**Answer: A**



**Watch Video Solution**

**62.** Vas deferens arises from

A. Cauda epididymis

B. Caput epididymis

C. Corpus epididymis

D. Rete testis

**Answer: A**



**Watch Video Solution**

**63. Mammals can regenerate**

A. Brain

B. Liver

C. Lung

D. Urinary bladder

**Answer: B**



**Watch Video Solution**

**64.** Gense representing traits of antibiotic resistance occur in bacteria over

A. Nucleoid

B. Plasmid

C. Mesosome

D. Both B and C

**Answer: B**



**Watch Video Solution**

**65.** The experimental material used by Hershey and Chase for proving that DNA controls heredity was

- A. Escherichia coli
- B. Salmonella typhimurium
- C. T(2) phage
- D. TMV

**Answer: C**



**Watch Video Solution**

**66.** Who is called father of modern embryology

A. Ernst Haeckel

B. Aristotle

C. Von Baer

D. Dollo

**Answer: C**



**Watch Video Solution**

67. The basic cause of variations is

- A. Mutations
- B. Out crossing
- C. Incrossing
- D. Recombinations

**Answer: A**



**Watch Video Solution**

68. Proteins percentage present in egg is

A. 20.1

B. 45

C. 12.9

D. 16

**Answer: C**



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69. *Trichomonas vaginalis* is

A. Virus

B. Chlmydia

C. Bacterium

D. Protozoan

**Answer: D**



**Watch Video Solution**

**70. Cryosurgery is resorted is**

A. Crush gall bladder stones

B. Destroy cancerous tumours



C. Warts and tumours

D. In coronary bypass

**Answer: C**



**Watch Video Solution**

**71. Anatomical barrier to disease is**

A. Skin

B. Mucouse membrane

C. Mucus and cilia

D. All the above

**Answer: D**



**Watch Video Solution**

**72.** Number of lymphocytes present in a healthy human is

A. 1 trillion

B. 100 billion

C. 10 trillion

D. 100 trillion

**Answer: A**



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**73.** In female genital tract, sperm capacitation is brought about by

- A. Hyaluronic acid
- B. Removal of membrane fatty acids
- C. Prostaglandins
- D. Oxytocin

**Answer: B**



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74. In the earockle disease of Wheat, the pathogen is

- A. Soil borne
- B. Seed borne
- C. Air borne
- D. Water borne

**Answer: B**



**View Text Solution**

75. Incidence of STDs and AIDS is highest in age group of

A. 9-14 years

B. 15-24 years

C. 25-35 years

D. 35-50 years

**Answer: B**



**Watch Video Solution**

76. Cynophobia is fear of

A. Open sky

B. Dogs

C. Darkness

D. Height

**Answer: B**



[Watch Video Solution](#)

77. Acne in adolescents develop over

A. Face

B. Back

C. Chest

D. All the above

**Answer: D**



**Watch Video Solution**

**78.** Critically endangered animal- species  
belonging to India is

A. 31

B. 18

C. 44

D. 109

**Answer: B**



**Watch Video Solution**

**79.** A sacred plant is

A. *Ocimum basilicum*

B. *Ficus bengalensis*

C. *Prosopis cineraria*



D. Aloe vera

**Answer: C**



**Watch Video Solution**

**80.** Biodiversity is determined by

A. Number of individuals in an area

B. Species richness

C. Evenness

D. Both B and C

**Answer: D**



**Watch Video Solution**

**81.** A living fossil is

A. Coelacanth

B. Limulus

C. Sphenodon

D. All the above

**Answer: D**



**Watch Video Solution**

82. Which wading bird is omnivorous

A. Flamingo

B. King Fisher

C. Grey Heron

D. None the above

**Answer: A**



**Watch Video Solution**

83. Egg laying mammals are mostly native of

A. India

B. Australia

C. Africa

D. Arabia

**Answer: B**



**Watch Video Solution**

**84.** A force that acts against maximum population growth is

- A. Population Pressure
- B. Carrying capacity
- C. Saturation point
- D. Environment resistance

**Answer: D**



**Watch Video Solution**

**85.** Pheromone is

- A. Product of endocrine gland
- B. A protein
- C. mRNA
- D. Used for animal communication

**Answer: D**



**Watch Video Solution**

**86.** Startification is useful in

- A. Better use of resources
- B. Accommodation of larger number of species
- C. Modification of environment
- D. All the above

**Answer: D**



**Watch Video Solution**

**87.** The trophic level of lion in a forest ecosystem is:

A.  $T_3$

B.  $T_2$

C.  $T_4$

D.  $T_1$

**Answer: C**



**Watch Video Solution**

**88.** Gas being produced by paddy fields and involved in global warming is

A. Chlorine

B. Methane



C. CO(2)

D. H(2)S

**Answer: B**



**Watch Video Solution**

**89.** An inexhaustible resource is

A. Wind power

B. Soil fertility

C. Wildlife

D. All the above

**Answer: A**



**Watch Video Solution**

**90.** In kyoto protocol, all nations agreed to reduce emission of green house gases by

- A. 2008
- B. 2010
- C. 2012
- D. 2018

**Answer: C**



[Watch Video Solution](#)

**91.** Loins are found in

- A. Western Ghats
- B. Corbett National Park
- C. Forests of Madhya Pradesh
- D. Gir forest

**Answer: D**



[Watch Video Solution](#)

**92.** Proteins found in eye lens is

A. Collagen

B. Rhodopsin

C. Crystallin

D. Opsin

**Answer: C**



**Watch Video Solution**

**93.** ABO blood grouping in humans is an example of  
of

A. Polygenic inheritance

B. Multifactor

C. inheritance

D. Pleiotropic inheritance

**Answer: D**



**Watch Video Solution**

**94.** Punnet square is used to know

A. Outcome of a cross

B. Probable result of a cross

C. Types of gametes

D. Result of meiosis

**Answer: B**



**Watch Video Solution**

**95.** Root pocket occurs in

A. Maize

B. pandanus

C. Banyan

D. Water Hyacinth

**Answer: D**



**Watch Video Solution**

**96.** In *Amorphophallus*, vegetative multiplication occurs through

- A. Bulbils
- B. Rhizome
- C. Corn
- D. Offset

**Answer: C**



[Watch Video Solution](#)

97. Ptyxis is

- A. Arrangement of leaves on the stem
- B. Arrangement of leaves in the bud
- C. Folding of lamina in bud
- D. Both B and C

**Answer: C**



[Watch Video Solution](#)



**98.** Inflorescence of Wheat is

- A. Spike of spikelets
- B. Panicle of spikelets
- C. Spike
- D. Receme of spikes

**Answer: A**



**Watch Video Solution**

**99.** Which one of the following is related type

A. Catkin and hypanthodium

B. Raceme and cyathium

C. Corymb and umbel

D. Verticillaster and spikes

**Answer: C**



**Watch Video Solution**

**100.** Basal placentation occurs in an ovary which is

A. Unilocular

B. Bilocular

C. Multilocular

D. Lateral

**Answer: A**



**Watch Video Solution**

## Model test paper-3

1. A provirus is

A. Virion

B. Primitive virus

C. Free DNA

D. Integrated viral genome

**Answer: D**



**Watch Video Solution**

2. The term water potential was coined by

A. Sayre

B. Von Mohl

C. Lloyd

D. Slatyer and Taylor

**Answer: D**



**Watch Video Solution**

**3. Water potential and osmotic potential of pure water are**

- A. Zero and zero
- B. 100 and zero
- C. 100 and 100
- D. zero and 100

**Answer: A**



[Watch Video Solution](#)

4. An antitranspirant is

- A. Phenyl mercuric acid
- B. Abscisic acid
- C. Salicylic acid
- D. All the above

**Answer: D**



[Watch Video Solution](#)

5. Phytohormone connected with closing of stomata is

A. ABA

B. Kinetin

C. GA

D. IBA

**Answer: A**



[Watch Video Solution](#)

6. Chlorosis results from deficiency of

A. Chlorine

B. Sodium

C. Calcium

D. Magnesium

**Answer: D**



**Watch Video Solution**

7. The first stable product in  $CAM / C_4$  plants is

A. Starch

B. Oxalo-acetic acid



C. Sugar

D. Malic acid

**Answer: D**



**Watch Video Solution**

8. Decline in quantum yields was noticed by Emersion at a wavelength of

A. 400 -450 nm

B. 600 -650 nm

C. 650 - 680 nm

D. More than 680 nm

**Answer: D**



**Watch Video Solution**

**9. Electron donor to PS I is**

A. Ferredoxin

B. FeS centre

C. Plastoquinone

D. Plastocyanin

**Answer: D**



**Watch Video Solution**

**10.** The family in which many plants are  $C_4$  type

A. Papaya

B. Pea

C. Potato

D. Maize/corn

**Answer: D**



**Watch Video Solution**

11. Which initiated study in population genetics

A. Hardy - Weinberg law

B. Lamarckism

C. Darwinism

D. Palaeontology

**Answer: A**



**Watch Video Solution**

12. Photoperiodism was discovered by

A. Van Overbeek

B. Lysenko

C. Garner and Allard

D. Boysen-Jensen and Paal

**Answer: C**



**Watch Video Solution**

13. The pigment involved in red - far red light interconversion is

Or

The pigment involved in photomorphogenetic movements is

Or

Pigment involved in photo - perception in flowering is

A. Carotene

B. Phytochrome

C. Cytochrome

D. Lycopene

**Answer: B**



**Watch Video Solution**

**14.** Bakane disease of Rice is due to

A. NAA

B. 2 - 4D

C. IAA

D. GA

**Answer: D**



**Watch Video Solution**

**15. Movement caused by injury is**

A. Traumtropism

B. Rheotropism

C. Traumonasty

D. Rheonasty

**Answer: A**



**Watch Video Solution**



**16.** Both nyctinasty and thigmonasty are observed in

- A. Drosera
- B. Mimosa
- C. Utricularia
- D. Cuscuta

**Answer: A**



**Watch Video Solution**

17. The main difference between bone and cartilage is of

- A. Mineral salts
- B. Blood vessels
- C. Lymph vessels
- D. Haversian canals

**Answer: D**



**Watch Video Solution**

18. The diameter of RBC is

A.  $10 - 12\mu m$

B.  $2 - 3\mu m$

C.  $7 - 8\mu m$

D. None of these

**Answer: C**



**Watch Video Solution**

**19.** Meissner's plexus of stomach is present in between

A. Oblique muscle and submucosa

B. Oblique muscles and circular muscles

C. Circular muscles and longitudinal muscles

D. Longitudinal muscles and serosa

**Answer: A**



**Watch Video Solution**

**20.** Red pulp of spleen is red in colour. It is due to

A. Presence of RBS(s)

B. Network of blood capillaries

C. Presence of haemoglobin

D. All of above

**Answer: A**



**Watch Video Solution**

**21. Uvula is part of**

A. Tongue

B. Soft palate

C. Hard palate

D. Epiglottis

**Answer: B**



**Watch Video Solution**

**22.** Trypsinogen is converted into active trypsin by the action of

- A. Cholecystokinin
- B. Enterocrinin
- C. Enterokinase
- D. Secretin

**Answer: C**



[Watch Video Solution](#)

**23.** Stomach is the site for digestion of

A. Fat

B. Protein

C. Carbohydrate

D. All of above

**Answer: B**



[Watch Video Solution](#)

24. In human beings,  $CO_2$  concentration in the inspired and expired air is respectively

A. 0.03% and 5.3%

B. 0.4% and 5.0%

C. 0.04% and 3.0%

D. 0.03% and 4.0%

**Answer: D**



**Watch Video Solution**

25. Proteomics is study of



A. Protobionts

B. Embryogenesis

C. Venereal diseases

D. Proteins synthesised by a genome

**Answer: D**



**Watch Video Solution**

**26.** Leucopaenia is the condition in which

A. The total number of leucocytes increases

below 5000/cu mm

- B. The total number of leucocytes increases above 6000/cu mm
- C. Bone marrow is destroyed
- D. Formation of leucocytes stops

**Answer: a**



**Watch Video Solution**

27. Blood does not transport  $O_2$  in strethoscope  
was invented by

A. Man

B. Frog

C. Cockroach

D. Pheretima

**Answer: C**



**Watch Video Solution**

**28. Stethoscope was invented by**

A. Waksman

B. Koch

C. Laennec

D. Jenner

**Answer: C**



**Watch Video Solution**

**29.** Certain carbonates and phosphates are removed by

A. Skin

B. Liver

C. Kidneys

D. None of the above

**Answer: C::D**



**Watch Video Solution**

**30. Doris is**

A. Shipworm

B. Sea Lemon

C. Sea Hare

D. Oyster

**Answer: B**



**Watch Video Solution**

**31. Renin is released by**

A. Cortical nephrons

B. Collecting duct

C. Juxtaglomerular apparatus

D. Pelvis

**Answer: C**



**Watch Video Solution**

**32.** Collar bone is known as

- A. Scapula
- B. Coracoid
- C. Petella
- D. Clavicle

**Answer: D**



**Watch Video Solution**

**33.** Premotor areas occurs is

- A. Frontal lobe
- B. Parietal lobe
- C. Occipital lobe
- D. Temporal lobe

**Answer: A**



**Watch Video Solution**

**34. Myelin sheath is the covering of**

- A. Muscle cell
- B. Axon



C. Blood vessels

D. Osteocyte

**Answer: B**



**Watch Video Solution**

**35. Otolith is formed of**

A. carbohydrate

B. Magnesium

C. Lipid

D. Calcium carbonate

**Answer: D**



**Watch Video Solution**

**36.** Jacobson's organ is related to

A. Touch

B. Smell

C. Sight

D. Hearing

**Answer: B**



**Watch Video Solution**

37. STH (somatotrophic hormone) is also known as

A. TSH

B. LTH

C. ADH

D. GH

**Answer: D**



**Watch Video Solution**

38. The hormone which darkens the skin of frog is

A. Insulin

B. Oestrogen

C. Melanocyte stimulating hormone

D. Noen of these

**Answer: C**



**Watch Video Solution**

39. Progesterone is secreted by

- A. Corpus luteum
- B. Corpus albicans
- C. Leydig's cells
- D. Graafian cells

**Answer: A**



**Watch Video Solution**

**40.** If an unfertilized ovum of frogs is pricked with a micro-needle, it will :

- A. Die immediately

- B. Start dividing
- C. Remain undivided
- D. None of these

**Answer: B**



**Watch Video Solution**

**41.** Foetus developing in the genital tract without getting nourishment from the mother is a case of

- A. Vivipary
- B. Ovipary

C. Ovo-vivipary

D. None of these

**Answer: C**



**Watch Video Solution**

**42. Human placenta is**

A. Haemochorial

B. Syndesmochorial

C. Yolk sac

D. Haemo-endothelial

**Answer: A**



**Watch Video Solution**

**43.** Maximum growth in human foetus occurs at the age of

- A. Fourth month
- B. Two months
- C. Six months
- D. Eight months

**Answer: A**





[Watch Video Solution](#)

**44.** Which is called soluble RNA

A. tRNA

B. mRNA

C. rRNA

D. snRNA

**Answer: A**



[Watch Video Solution](#)

45. Number of of codons in a genetic triplet code is

A. 4

B. 16

C. 32

D. 64

**Answer: D**



[Watch Video Solution](#)

46. In land animals blood vascular system has

- A. Single circulation
- B. Venous heart
- C. Arterial heart
- D. Arteriovenous heart

**Answer: D**



**Watch Video Solution**

**47. Fossil Lucy belong to**

- A. Ramapithecus
- B. Australopithecus

C. Dryopithecus

D. Aegyptopithecus

**Answer: B**



**Watch Video Solution**

**48.** Which does not occur in cell membrane

A. Cholesterol

B. Permease

C. Glycoprotein

D. Proline

**Answer: D**



**Watch Video Solution**

**49.** The most famous pesticide of world is

A. BHC

B. DDT

C. Baygon

D. Flit

**Answer: B**



**Watch Video Solution**

50. After ELISA positive test, AIDS is confirmed through

- A. Western blot analysis
- B. Dot blot technique
- C. Southern blot technique
- D. Northern blot technique

**Answer: A**



**Watch Video Solution**

51. The most abundant antibodies are

A. IgG

B. IgA

C. IgE

D. IgM

**Answer: A**



[Watch Video Solution](#)

52. Phagocytes of innate immunity are

A. Neutrophils

B. Macrophages

C. Monocytes

D. All the above

**Answer: D**



**Watch Video Solution**

**53.** Grains of major cereals and millets lack amino acids

A. Methionine and cysteine



B. Methionine and lysine

C. Tryptophan and cysteine

D. Lysine and tryptophan

**Answer: D**



**Watch Video Solution**

**54. Lysine rich Maize variety is**

A. Protina

B. Rattan

C. Shakti

D. All the above

**Answer: D**



**Watch Video Solution**

**55.** Replacement level fertility rate for developed countries is

A. 2

B. 2.1

C. 2.3

D. 2.7

**Answer: B**



**Watch Video Solution**

**56.** Permanent entry of individual into a population is

A. Migration

B. Emigration

C. Immigration

D. Replacement

**Answer: C**



Watch Video Solution

57. Infant mortality is related to number of deaths per thousands in between

- A. Birth and 1 year
- B. Birth and 3 years
- C. 2-5 years
- D. 3 - 6 years

**Answer: A**



Watch Video Solution

58. Number of biogeographical regions of india is

A. 8

B. 10

C. 16

D. 18

**Answer: B**



**Watch Video Solution**

59. Which one has been genetically modified to help in bioremediation

A. Pseudomonas

B. Xanthomonas

C. Nitrosococcus

D. Trichoderma

**Answer: A**



**Watch Video Solution**

60. A weed, which has invaded many forests lands of India is

- A. *Parthenium hysterophors*
- B. *Chenopodium alba*
- C. *Lantana camara*
- D. *Echhornia crassipes*

**Answer: C**



**Watch Video Solution**

**61.** Urinary bladder is absent in

A. Fishes

B. Sankes

C. Crocodiles

D. All the above

**Answer: D**



**Watch Video Solution**

**62.** Archaeopteryx lived during



A. Cretaceous

B. Triassic

C. Permian

D. Jurassic

**Answer: D**



**Watch Video Solution**

**63.** Bat , Whale and Human share the following trait

A. Hair

B. Placenta

C. Nocturnal

D. Position of mammary glands

**Answer: B**



**Watch Video Solution**

**64.** Population means

A. All the animals of a place

B. All the animals and plants found in an area

C. Human beings living in an area

D. Animals/plants of a species living in a specific area

**Answer: D**



**Watch Video Solution**

**65. Migration is**

A. Outward movement of individuals

B. Inward movement of individuals

C. Two-way departure and return of all the individuals

D. Starvation based mortality

**Answer: C**



**Watch Video Solution**

**66.** Mimicry is useful for

A. Concealment

B. Protection

C. Predation

D. Both B and C

**Answer: A**



**Watch Video Solution**

**67.** In biotic community, the most important factor for survival of an animal is

- A. Day length
- B. Soil moisture
- C. Green food
- D. Predators

**Answer: C**



[Watch Video Solution](#)

68. Ozone layer occurs in

A. Ionosphere

B. Thermosphere

C. Stratosphere

D. Troposphere

**Answer: C**



[Watch Video Solution](#)

69. Shifting cultivation in India is called

A. Sawani

B. Jhum

C. Hardi

D. All the above

**Answer: B**



**Watch Video Solution**

70. Non-biodegradable pollutants are extremely harmful because they

- A. Undergo bimagnification
- B. Remain in position for long
- C. Do not get recycled
- D. Both B and C

**Answer: A**



**Watch Video Solution**

**71.** Extinction of numerous wild animals is due to

- A. Hunting
- B. Deforestation



C. Overcrowding

D. Scarcity of food

**Answer: B**



**Watch Video Solution**

**72. Allele is**

A. Segment of gene

B. From of a gene

C. Special kind of gene

D. A muton

**Answer: B**



**Watch Video Solution**

**73.** Excretory product of spider is

A. Uric acid

B. Urea

C. Ammonia

D. Guanine

**Answer: D**



**Watch Video Solution**

74. A child of O-group has B-group father. The genotype of father will be

A.  $I^O I^O$

B.  $I^B I^B$

C.  $I^A I^B$

D.  $I^B I^O$

**Answer: D**



**Watch Video Solution**

75. Photosynthetic roots are recorded from

A. Jussiaea

B. Rhizophora

C. Bryophyllum

D. Tinospora

**Answer: D**



**Watch Video Solution**

76. Phylloclades are

A. Leaves

B. Flowers

C. Stems

D. Both leaves and stem

**Answer: C**



**Watch Video Solution**

**77.** Stipules are modified into spines in

A. Shoe Flower

B. Cotton

C. Zizyphus

D. Dalbergia

**Answer: C**



**Watch Video Solution**

**78.** Which one of the following mammalian cells is not capable of metabolising glucose to carbon-dioxide aerobically ?

A. RBCs

B. WBCs

C. Liver cells

D. Kidney cells

**Answer: A**



**Watch Video Solution**

**79.** Inflorescence with unbranched axis is called

A. Compound racemose

B. Compound corymb

C. Simple racemose

D. Verticillaster

**Answer: C**



**Watch Video Solution**

**80.** A flower which can be divided into two exactly equal halves by any vertical planes passing through centre is

- A. Zygomorphic
- B. Actinomorphic
- C. Perfect
- D. Regular



**Answer: A**



**Watch Video Solution**

**81. Stamens of Jowar are**

A. Dorsifixed

B. Versatile

C. Basifixed

D. Adnate

**Answer: B**



**Watch Video Solution**

82. A fruit having differentiation of epicarp, mesocarp and stony endocarp is

- A. Berry
- B. Drupe
- C. Sycosis
- D. sorosis

**Answer: B**



**Watch Video Solution**

83. Which is not essential for seed germination in most cases ?

A. Light

B. Oxygen

C. Suitable temperature

D. Moisture

**Answer: A**



**Watch Video Solution**

**84.** Most of the mutations remain unexpressed because they are

- A. Too small
- B. Very significant
- C. Very few
- D. Mostly recessive

**Answer: D**



**Watch Video Solution**

**85.** Linkage in *Drosophila* was first discovered by

A. Bridges

B. Mendel

C. Bateson and Punnet

D. Morgan

**Answer: D**



**Watch Video Solution**

**86.** Genes located on X-chromosomes are called

- A. Sex influenced
- B. Sex limited
- C. Sex linked
- D. Maternal genes

**Answer: C**



**Watch Video Solution**

**87.** In Neurospora both recessive and dominant alleles express their effect because

- A. Two genes control each character

B. There are two alleles for each character

C. The organism contains only one allele for a  
gene

D. Each gene has only one allele

**Answer: C**



**Watch Video Solution**

**88.** First triplet codon to be deciphered was

A. UUU

B. AAA

C. CTA

D. CCC

**Answer: A**



**Watch Video Solution**

**89.** Energy for activation of amino acids during proteins synthesis comes from

A. ATP

B. GTP

C. CTP



D. UTP

**Answer: A**



**Watch Video Solution**

**90. Flavr Savr is genetically modified**

A. Cotton

B. Rice

C. Tomato

D. Potato

**Answer: C**



**Watch Video Solution**

**91.** Gene gun can introduced genes into cells with the help of

- A. Plasmids
- B. Cosmide
- C. Microscopic pellets
- D. Moringa

**Answer: C**



[Watch Video Solution](#)

**92.** Censer mechanism of seed dispersal occurs in

A. Bombax

B. Alstonia

C. Poppy

D. Moringa

**Answer: C**



[Watch Video Solution](#)

**93.** Zygote of *Capsella bursa-pastoris* undergoes

- A. Longitudinal division
- B. Equal transverse division
- C. Unequal transverse division
- D. Oblique division

**Answer: C**



**Watch Video Solution**

**94.** In polygonum type of embryo sac, the cells are

A. Haploid

B. Diploid

C. Both A and B

D. Poiyploid

**Answer: C**



**Watch Video Solution**

**95. TIP is**

A. Tuber inducing protein

B. Tuber inducing priciple

C. Tumour inducing protein

D. Tumour inducing principle

**Answer: D**



**Watch Video Solution**

**96.** The enzymes required to obtain wall-free/naked protoplasts are

A. Cellulase and proteinase

B. Cellulase and pectinase

C. Cellulase and amylase

D. Amylase and pectinase

**Answer: B**



**Watch Video Solution**

**97.** Photolysis of a molecule of water yeilds

A. 4 electrons and 4 protons

B. 2 electrons and 2 protons

C. 2 electrons and 4 protons

D. 4 electrons and 2 protons

**Answer: B**



**Watch Video Solution**

**98.** Epidermal outgrowths are known as

- A. Trichomes
- B. Stomata
- C. Prickles
- D. Spines

**Answer: A**



**Watch Video Solution**



**99.** Companion cells are usually seen associated with

A. Fibres

B. Tracheids

C. Vessels

D. Sieves

**Answer: D**



**Watch Video Solution**

100. Epistomic leaf is

A. Nymphaea

B. Nelumbo

C. Victoria

D. All the above

**Answer: D**



[View Text Solution](#)

**Model test paper-4**

1. AUG is

A. Ople

B. Amber

C. Ochre

D. Initiation codon

**Answer: D**



**Watch Video Solution**

2. Digestion is completed in

A. Duodenum

B. Ileum

C. Stomach

D. Cloaca

**Answer: B**



**Watch Video Solution**

3. Heterocrine gland connected with digestive system is

A. Liver

B. Pituitary

C. Testis

D. Pancreas

**Answer: D**



**Watch Video Solution**

4. Lungs have a large number of narrow tubescalled

A. Alveoli

B. Bronchioles

C. Bronchi

D. Alveolar ducts

**Answer: B**



**Watch Video Solution**

**5. Respiration rate is lowest during**

A. Running

B. Playing

C. Eating

D. Sleeping

**Answer: D**



**Watch Video Solution**

**6. Lymph is without**

A. Leucocytes

B. Plasma

C. Erythrocytes

D. None of the above

**Answer: C**



**Watch Video Solution**

7. thrombokinase is produced in

A. RBC

B. WBC

C. Blood vessels

D. Blood clotting

**Answer: D**



**Watch Video Solution**



8. Hardening of the arteries due to deposition of cholesterol on arterial wall is termed as:

A. Atherosclerosis

B. Thrombosis

C. Stenosis

D. Rhinitis

**Answer: A**



**Watch Video Solution**

9. The smallest functional unit of kidney is

- A. Nephron
- B. Collecting tube
- C. Glomerulus
- D. Bowman's Capsule

**Answer: A**



**Watch Video Solution**

10. The collecting ducts in the kidney converge to form

A. Pyramid

B. Calyx

C. Pelvis

D. Column of Bertin

**Answer: A**



**Watch Video Solution**

11. For formation of urea which one of the following is required alongwith ammonia

- A. Arginase,  $CO_2$  and  $O_2$
- B. Arginase,  $CO_2$  and water
- C. Aspartate,  $CO_2$  and water
- D. Aspartate,  $CO_2$  and  $O_2$

**Answer: B**



**Watch Video Solution**

12. Number of bones in skull of human being is

A. 10

B. 18

C. 23

D. 26

**Answer: C**



**Watch Video Solution**

13. The function of choroid plexus is

- A. To produce lymph
- B. To produce blood
- C. To produce cerebrospinal fluid
- D. To produce endolymph

**Answer: C**



**Watch Video Solution**

**14.** number of female flowers in a cyathium I

- A. 1
- B. 3

C. 5

D. Numerous

**Answer: A**



**Watch Video Solution**

**15.** Maximum tactile receptors in mammals are located on

A. Body

B. Face

C. Limbs

D. Head

**Answer: B**



**Watch Video Solution**

**16.** The receptor organs for sense of hearing are located in

A. Cochlea

B. Utriculus

C. Sacculus

D. Middle ear



**Answer: A**



**Watch Video Solution**

**17. Pars nervosa is a part of**

A. Brain

B. Spinal cord

C. Pituitary gland

D. Ovary

**Answer: C**



**Watch Video Solution**

**18.** Under-secretion of thyroxine in children causes

A. Acromegaly

B. Cretinism

C. Goitre

D. Addison's disease

**Answer: B**



**Watch Video Solution**

19. In cockroach stink glands occur in

- A. 4 -5 terga
- B. 4 - 5 sterna
- C. 5 - 6 terga
- D. 5 - 6 sterna

**Answer: C**



**Watch Video Solution**

20. Eggs from ovary are released in

A. Oviduct

B. Kidney

C. Ureter

D. Coelom

**Answer: D**



**Watch Video Solution**

**21. Morphogenetic movements occurs in**

A. Cleavage stage

B. Morula

C. Blastula

D. Gastrula

**Answer: D**



**Watch Video Solution**

**22.** A mature sperm has

A. A pair of flagella

B. A nucleus, an acrosome, and a centriole

C. A nucleus, an acrosome, a pair of centrioles

D. A nucleus, an cromosome , a pair of centrioles  
and a tail

**Answer: D**



**Watch Video Solution**

**23.** As compared to whole body, the head of new born human body is

A. One third

B. One half

C. One fifth

D. One fourth

**Answer: D**



**Watch Video Solution**

**24.** mRNA coded language is known as

A. Cryptogram

B. Cryptoanalysis

C. Cryptogram

D. Codogens

**Answer: A**



**Watch Video Solution**

**25.** The term triplet genetic code were coined by

A. Watson and Crick

B. Nirenberg

C. Gamow

D. Conrat

**Answer: C**



**Watch Video Solution**



26. Origin of seed in land plants occurred about

A. 160 million years ago

B. 240 million years ago

C. 285 million years ago

D. 345 million years ago

**Answer: D**



**Watch Video Solution**

27. Somatic hybridisation is achieved through ?

A. Grafting

B. Protoplast fusion

C. Conjugation

D. Recombinant DNA technology

**Answer: B**



[Watch Video Solution](#)

28. Norin -10 gene is famous for

- A. Gigas effect
- B. Dwarfing effect
- C. Early maturation effect
- D. Aromatic effect

**Answer: B**



**Watch Video Solution**

**29. Urea derivative triazines are used as**

- A. Insecticides
- B. Herbicides

C. Nematocides

D. Rodenticides

**Answer: B**



**Watch Video Solution**

**30. Haemophilus discryei causes**

A. Chancre

B. Gonorrhoea

C. Chancroid q

D. Syphillis

**Answer: C**



**Watch Video Solution**

**31. Acquired immunity is also called**

- A. Adaptive immunity
- B. Specific immunity
- C. Nonspecific immunity
- D. Both A and B

**Answer: D**



**Watch Video Solution**

**32.** Number of proteins belonging to complement system is

A. 30

B. 24

C. 18

D. 6

**Answer: A**



**Watch Video Solution**

33. Which of the following is not correct about plant introduction ?

- A. They give us new crops
- B. They give us new varieties
- C. There is risk of entry of disease, etc. in into the country
- D. Quarantine is not necessary

**Answer: D**



**Watch Video Solution**

34. common tick fever is caused by

- A. Protozoan Babesia
- B. Protozoan Eimeria
- C. Bacterium Corynebacterium
- D. Tapeworm

**Answer: A**



**Watch Video Solution**

35. Three lobed nuclei occur in



A. Monocyte

B. Eosinophil

C. Neutrophil

D. Basophil

**Answer: D**



**Watch Video Solution**

**36.** Mental disorder in which the patient is preoccupied with body functions and sensations

A. Hypochondria

B. Neurasthenia

C. Post - traumatic stress

D. Attention - deficit disorder

**Answer: A**



**Watch Video Solution**

**37.** Demographic transition is achieved when there is

A. High birth rate and high but fluctuating death rate

B. High birth rate and decline in death rate

C. Decline in both but more in death rate

D. Low death rate and low fluctuating birth rate

**Answer: D**



**Watch Video Solution**

**38.** Number of threatened species in 2000 Red List is

A. 4175

B. 8198

C. 11096

D. 16241

**Answer: C**



**Watch Video Solution**

**39. World Conservation Union maintains**

A. Red Data Book

B. Red List

C. Pink List

D. Both A and B

**Answer: D**



**Watch Video Solution**

**40.** A major cause of mortality of many birds visitors of aquatic habitat is

A. Nutrient enrichment

B. Lead poisoning

C. Salt enrichment

D. All the above

**Answer: B**



**Watch Video Solution**

**41.** Which is a vestigial organ of python

A. Scales

B. Hind limbs

C. Teeth

D. Nose

**Answer: B**



**Watch Video Solution**

42. National Bird of indian is

- A. *Pavo cristatus*
- B. *Psittacula eupatoria*
- C. *Streptopelia decaoto*
- D. *Hierococcux varrius*

**Answer: A**



**Watch Video Solution**

**43.** The fleshy fruits with hard and stony endocarp are called

A. Drupe

B. Poem

C. Berry

D. Amphisarca

**Answer: A**



**Watch Video Solution**



**44.** synecology is the study of

- A. Human environment of a place
- B. Biotic environment of a place
- C. Abiotic component of a place
- D. Biotic community in relation to environment  
of a place

**Answer: D**



**Watch Video Solution**

**45.** The sum total of the population of the same kind of organisms constitute

A. Colony

B. Genus

C. Community

D. Species

**Answer: D**



**Watch Video Solution**

**46.** The unrestricted reproductive capacity of a population is called is :

- A. Birth rate
- B. Biotic potential
- C. Carrying capacity
- D. Fertility

**Answer: B**



**Watch Video Solution**

47. Which one has the maximum biomass ?

- A. Temperate forests
- B. Tropical rain forest
- C. Alpine vegetation
- D. Taiga

**Answer: B**



[Watch Video Solution](#)

48. Which is not a greenhouse gas ?

A. Chlorofluorocarbon

B. Methane

C. Carbon dioxide

D. Hydrogen

**Answer: D**



**Watch Video Solution**

**49.** Forest Act was enacted in

A. 1952

B. 1963

C. 1927

D. 1988

**Answer: C**



**Watch Video Solution**

**50. ODS means**

A. Ozone developing substance

B. Ozone data source

C. Ozone depleting substance

D. Office data secrecy

**Answer: C**



**Watch Video Solution**

**51. Percentage land mass in India cover is**

A. 0.33

B. 0.227

C. 0.17

D. 0.19

**Answer: D**



**Watch Video Solution**

52. Trihybrid ratio is

A. 27:9:9:9:3:3:3:1

B. 27:9:9:6:6:3:3:1

C. 1:6:15:20:15:6:1

D. 36:6:6:6:3:3:3:1

**Answer: A**



**Watch Video Solution**



53. Blood groups of a couple are AB and O. the possible blood groups of children would be

- A. O group only
- B. AB blood group
- C. A or B group
- D. AB and O group only

**Answer: C**



**Watch Video Solution**

54. Hybrid vigour is due to

- A. Mixing of traits of male and female
- B. Homozygosity in gamete state
- C. Superiority of genes
- D. Heterozygosity

**Answer: D**



**Watch Video Solution**

55. A root is adventitious when it is

A. Swollen

B. Growing in marshy places

C. Formed from plumule

D. Modified for storage

**Answer: C**



**Watch Video Solution**

**56. Heterophylly of Limnophila is**

A. Sobole

B. Culm

C. Scape

D. Intercalary stem

**Answer: B**



**Watch Video Solution**

**57. Synaptic vesicles occur in**

A. Environmental

B. Adaptive

C. Habitual

D. Both A and B

**Answer: D**



**Watch Video Solution**

**58.** Glumes occur in

- A. Synaptic cleft
- B. Cyton
- C. Presynaptic neuron
- D. Post - synaptic neuron

**Answer: C**



**Watch Video Solution**

59. glumes occur in

A. Spike

B. Spikelet

C. Strobile

D. Spadix

**Answer: B**



**Watch Video Solution**

60. Ligulate corolla found in compositae is

- A. Two lipped
- B. Strap- shaped
- C. Masked
- D. Wheel shaped

**Answer: B**



**Watch Video Solution**

**61.** The tissue which attaches the ovules inside the ovary is

- A. Funicle
- B. Hilum
- C. Placenta
- D. Chalaza

**Answer: C**



**Watch Video Solution**



62. Syconus is the name of

A. Inflorescence

B. Ovary

C. Thalamus

D. Fruit

**Answer: D**



**Watch Video Solution**

63. Vivipary is

A. Seed germination with subterranean cotyledons

B. Seed germination with epiterranean cotyledons

C. Fruit development without pollination

D. Seed germination inside the fruit while attached to the plant

**Answer: D**



**Watch Video Solution**

64. A protective layer around testis is

A. Tunica albuginea

B. Tunica adventitia

C. Tunica media

D. Tunica vasulosa

**Answer: A**



**Watch Video Solution**

65. Balbiani rings occur in

A. Polytene chromosomes

B. Polysomes

C. Heterosomes

D. Lampbrush Chromosomes

**Answer: A**



**Watch Video Solution**

**66.** Kappa particles make an animal killer when their number in individual is

A. 60

B. 6

C. 400

D. 150

**Answer: C**



**Watch Video Solution**

**67.** Centromere is also called

A. Secondary constriction

B. Chromomere

C. Chromocentre

D. Primary constriction

**Answer: D**



**Watch Video Solution**

**68.** The strain neutrospira which grows on minimal medium is called

A. Autotroph

B. Prototroph

C. Auxotroph

D. Heterotroph

**Answer: B**



**Watch Video Solution**

**69.** "One gene one enzyme" theory was proposed by

- A. Khorana and Nirenberg
- B. Beadle and Tatum
- C. Bateson and Punnet
- D. Bridges

**Answer: B**



[Watch Video Solution](#)

**70.** The protein coat of virus is called

A. Capsid

B. Virion

C. Viroid

D. Mucopeptide

**Answer: A**



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71. A drug obtained through genetic engineering and useful for treating infertility is

- A. Calcitonin
- B. Chorionic gonadotropin
- C. Interleukins
- D. Tissue plasminogen activator

**Answer: B**



**Watch Video Solution**

72. Seeds dispersed by wind are

A. Heavy

B. Round

C. Irregular

D. Light

**Answer: D**



**Watch Video Solution**

**73.** Embrology is

A. Development of embryo only

B. Mode of gametopynic formation

C. Sporogenesis and fertilisation

D. Sporogenesis, fertilisation and embryo  
genesis

**Answer: D**



**Watch Video Solution**

**74.** Suspensor formed during embryony of  
sagittaria is

A. 6-10 celled

B. 4-5 celled

C. 1-celled

D. 2- 3 celled

**Answer: C**



**Watch Video Solution**

**75.** Which of the following plants cells with show totipotency ?

A. Sieve tubes

B. Xylem vessels

C. Meristem

D. Cork cells

**Answer: C**



**Watch Video Solution**

**76.** Which technique can be helpful in overcoming hybridisation barrier ?

A. Shoot tip culture

B. Embryo rescue

C. Protoplast fusion

D. Both B and C

**Answer: D**



**View Text Solution**

77. Epidermis and epiblema are produced from

A. Phellogen

B. Calytrogen

C. Procambium

D. Protoderm

**Answer: D**



**Watch Video Solution**

**78.** Longest fibres are found in

A. Jute

B. Cotton

C. Sun Hemp

D. Coir

**Answer: A**



**View Text Solution**

**79.** Common between sclerenchyma and collenchyma is

- A. Material transport
- B. Conduction of water and minerals
- C. Providing buoyancy
- D. Providing support

**Answer: D**



**Watch Video Solution**



80. Tulip flower shows

A. Photonasty

B. Thermonasty

C. Thigmonasty

D. Hydronasty

**Answer: B**



**Watch Video Solution**

**81.** Diffuse porous woods are characteristic of plants growing in

- A. Alpine region
- B. Cold winter regions
- C. Temperate regions
- D. Tropical regions

**Answer: D**



**Watch Video Solution**

82. O.P. of a cell can be measured by

A. Manometer

B. Photometer

C. Calorimeter

D. Plasmolysis

**Answer: D**



**Watch Video Solution**

83. Plasmolysis is due to

A. Exosmosis

B. Endosmosis

C. Osmosis

D. Adsorption

**Answer: A**



**Watch Video Solution**

**84.** Virus-free plants can be obtained by:

A. Shoot tip culture

B. Anther culture

C. Protoplast fusion

D. Callus culture

**Answer: A**



**Watch Video Solution**

**85.** Which of the following is a rapid type of water absorption?

A. Passive absorption

B. Active absorption

C. Expenditure of energy

## D. Osmosis

**Answer: A**



**Watch Video Solution**

**86.** Which of the following is a sulphur containing amino acid

A. Methionine

B. Asparagine

C. Serine

D. Proline

**Answer: A**



**Watch Video Solution**

**87. Photosystem II occurs in**

A. Stroma

B. Cytochrome

C. Grana

D. Mitochondrial surface

**Answer: C**



**Watch Video Solution**

**88.** Which is correct about chlorophylls a and b in leaves of higher plants

- A. Both are present in equal proportion
- B. Chlorophyll a is more than chlorophyll b
- C. Chlorophyll a is less than chlorophyll b
- D. Chlorophyll b is 10 times more than chlorophyll a

**Answer: B**



**Watch Video Solution**



89. *ATP* synthesis during light reaction is

A. Oxidative phosphorylation

B. Photolysis

C. Photophosphorylation

D. Phosphorylation

**Answer: C**



**Watch Video Solution**

90.  $C_2$  plants differ from  $C_3$  plants with respect to

- A. First product
- B. Substrate which accepts carbon dioxide
- C. Number of ATP molecules consumed
- D. All the above

**Answer: D**



**Watch Video Solution**

91. The instrument by which the rate of growth of stem is accurately measured is

Or

Growth in length of a plant can be measured by

A. Auxanometer

B. Potometer

C. Photometer

D. Hygrometer

**Answer: A**



**Watch Video Solution**

92. Size of grapes increases in application of

A. Gibberellin

B. Auxin

C. Cytokinin

D. All the above

**Answer: A**



**Watch Video Solution**

93. From which was kinetin isolated

A. Herring sperm

B. Pine - apple

C. Soyabean

D. Groundnut

**Answer: A**



**Watch Video Solution**

**94.** Growth substance that stimulates nodule formation in leguminous plants is

A. NAA

B. IAA

C. IBA

D. ABA

**Answer: B**



**Watch Video Solution**

**95.** Tendrils and twiners come in contact with their support by means of

A. Nutation

B. Thigmonasty

C. Thigmotropism

D. Anemotropism

**Answer: A**



**Watch Video Solution**

**96.** Positive geotropic response of root is

A. Always

B. Rarely

C. Mostly

D. Nil

**Answer: C**



**Watch Video Solution**

**97. Blood is**

A. Acidic

B. Alkaline

C. Nectral

D. Variable

**Answer: B**



**Watch Video Solution**



**98.** Squamous epithelium occurs in inner lining of

A. Kidney

B. Pancreatic duct

C. Lung alveoli

D. Heart

**Answer: C**



**Watch Video Solution**

**99.** Red and white pulps occurs in

A. Spleen

B. Kidney

C. Liver

D. Lymph nodes

**Answer: A**



**Watch Video Solution**

**100.** Psammophytes grow on

A. Rocks

B. Sand

C. Tree trunks

D. Acidic soils

**Answer: B**



**Watch Video Solution**

**Model test paper-5**

**1. Daphnia is**

A. Clam

B. Water Flea

C. Annelid

D. Sponge

**Answer: B**



**Watch Video Solution**

**2. Formation of notochord is**

A. Neurulation

B. Notogenesis

C. Morulation

D. Blastulation

**Answer: B**



**Watch Video Solution**

**3. Autonomy is recored in**

A. Legs in crabs

B. Tail of lizards

C. Viscera in holothurian echinoderms

D. All the above

**Answer: D**



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4. A bacterium grown over medium having radioactive  $^{35}\text{S}$  incorporates radioactivity in

A. Carbohydrates

B. Proteins

C. DNA

D. RNA

**Answer: B**



[Watch Video Solution](#)

5. DNA acts as a template for synthesis of :-

A. DNA

B. RNA

C. Both DNA and RNA

D. Protein

**Answer: C**



[Watch Video Solution](#)

6. Which is vestigial in humans ?

- A. Tail vertebrae
- B. Auricular muscles
- C. Scalp muscles
- D. All

**Answer: D**



**Watch Video Solution**

7. The basis of life is :



A. Nucleic acids

B. Proteins

C. Fatty acids

D. Both A and B

**Answer: D**



**Watch Video Solution**

**8. Broilers are**

A. Egg laying females

B. young birds reared for meat

C. Birds raised for breeding

D. Birds raised for both eggs and ment

**Answer: B**



**Watch Video Solution**

**9. Organic manure formed by Earthworm is**

A. Farmyard manure

B. Vermicompost

C. Compost

D. Green manure

**Answer: B**



**Watch Video Solution**

**10.** Hormone replacement therapy (HRT) is carried out in case of

A. SCID

B. AIDS

C. Fibrillation

D. Menopausal complication

**Answer: D**



[Watch Video Solution](#)

11. A nonspecific immunity is

A. Passive immunity

B. Active immunity

C. Innate immunity

D. Autoimmunity

**Answer: C**



[Watch Video Solution](#)

**12.** Infeon is useful in

- A. Killing virus particles
- B. Protecting healthy cells from viral infection
- C. Killing virus infected cells
- D. All the above

**Answer: B**



**Watch Video Solution**

**13.** Vector for ascariasis is

- A. Female Culex
- B. Female Anopheles
- C. Housefly
- D. None of the above

**Answer: D**



**Watch Video Solution**

**14.** Rinderpest disease is caused by

- A. Bacillus species
- B. Morbillivirus

C. Theileria

D. None of the above

**Answer: B**



**Watch Video Solution**

**15. Attention-deficit behaviour is**

A. More common in boys

B. Difficulty in remaining seated

C. Inability to follow instructions

D. All the above

**Answer: D**



**Watch Video Solution**

**16.** 15% population in developed countries consumes resources out of total

A. 0.85

B. 0.75

C. 0.68

D. 0.62

**Answer: A**





[Watch Video Solution](#)

17. Infant mortality rate is minimum in

A. U.S.A.

B. U.K.

C. Sweden

D. Japan

**Answer: D**



[Watch Video Solution](#)

**18.** Ecological hotspots present in India are

A. One

B. Two

C. Three

D. Four

**Answer: B**



**Watch Video Solution**

**19.** Number of biosphere reserves in May 2002 was

- A. 217 in 65 countries
- B. 408 in 94 countries
- C. 381 in 74 countries
- D. 449 in 103 countries

**Answer: B**



**Watch Video Solution**

**20. Prion consists of**

- A. Protein
- B. RNA

C. DNA

D. Both B and C

**Answer: A**



**Watch Video Solution**

**21. King Cobra is**

A. *Naja hannah*

B. *Naja naja*

C. *Vipera russeli*

D. *Bundarus conerulus*

**Answer: A**



**Watch Video Solution**

**22.** Pneumatic bones, four chambered heart and feathers occur in

A. Cyclostmata

B. Aves

C. Mammalia

D. Reptilia

**Answer: B**



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**23.** The stomach of Camel is

- A. Five chambered
- B. Four chambered
- C. Three chambered
- D. Two chambered

**Answer: C**



[Watch Video Solution](#)

24. Wuchireria belong to phylum

A. Coelenterata

B. Annelida

C. Arthropoda

D. Nemathelminthes

**Answer: D**



**Watch Video Solution**

25. Human population shows

- A. J- shaped growth curve
- B. Z- shaped growth curve
- C. S-shaped growth curve
- D. All the above

**Answer: C**



**Watch Video Solution**

**26. Frequency in biotic community is**

- A. Abundance
- B. Degree of dispersion



C. Dominance

D. Physiognomy

**Answer: B**



**Watch Video Solution**

**27. Most stable ecosystem is**

A. Forest

B. Mountain

C. Desert

D. Ocean

**Answer: D**



**Watch Video Solution**

**28.** What fraction of assimilated energy is used in respiration by the herbivores ?

A. 0.2

B. 0.3

C. 0.4

D. 0.8

**Answer: B**



[Watch Video Solution](#)

29. "Let no one species encroach over the right and privileges of other species" is the stanza from

- A. Atharva Veda
- B. Kautilya Arthashastra
- C. Isha Upanishad
- D. Bhagvat Gita

**Answer: C**



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30. Sound becomes hazardous noise pollution at level.

A. Above 30 dB

B. Above 80 dB

C. Above 100 dB

D. Above 120 dB

**Answer: B**



**Watch Video Solution**

31. "Chipko Movement" is connected with :

A. Conservation of natural resources

B. Plant/forest conservation

C. plant breeding

D. Project tiger

**Answer: B**



[Watch Video Solution](#)

32. Recessive epistasis is shown by

A. Flower colour in Sweet Pea

B. Fruit colour of Summer Squash

C. Coat colour of Mice

D. Shape of comb in poultry

**Answer: C**



**Watch Video Solution**

**33.** A pleiotropic gene is one which

A. Affects one character

B. Affects more than of another gene

C. Supplements the effect of another gene

D. Requires another gene for expression

**Answer: B**



**Watch Video Solution**

**34.** 9:6:1  $F_2$  generation ratio is obtained in case of

A. Polymeric genes

B. Pleiotropic genes

C. Supplementary genes

D. Recessive epistasis

**Answer: A**



**Watch Video Solution**

**35. Buttress roots are**

A. Aerial

B. Underground

C. Aquatic

D. Horizontal

**Answer: D**



**Watch Video Solution**



**36.** Largest bud is of

A. Cabbage

B. Cauliflower

C. Agave

D. Onion

**Answer: A**



**Watch Video Solution**

37. Ochreate stipules occur in the family

A. Cruciferae

B. Solanaceae

C. Compositae

D. Polygonaceae

**Answer: D**



**Watch Video Solution**

38. a plant bearing solitary flowers is

A. *Brassica campesteris*

B. *Helianthus annuus*

C. *Hibiscus rosa-sinesis*

D. *Salvia officinalis*

**Answer: C**



**Watch Video Solution**

**39. Histones are**

A. Basic proteins

B. Acidic proteins

C. Neutral proteins

D. Glycoproteins

**Answer: A**



**Watch Video Solution**

**40.** The condition of stamens being adnate to  
topals is

A. Episepalous

B. Epipetalous

C. Epipyllous

D. Synantherous

**Answer: C**



**Watch Video Solution**

**41.** Anthophore is an internode between

A. Two oppsite leaves in spiral phyllotaxy

B. Calyx and corolla

C. Corolla and androecium

D. Anderoecium and gynantherous

**Answer: B**



**Watch Video Solution**

**42.** A fruit without seed is not possible in case of

A. Grape

B. Orange

C. Pomegranate

D. Berry

**Answer: C**



**Watch Video Solution**

43. Aleurone layer takes part in

A. Protection of delicate embryo

B. Enzyme synthesis

C. Transfer of food to cotyledons

D. Transfer of food from cotyledons to embryo

tips

**Answer: B**



**Watch Video Solution**

44. Allosomes are the name of

A. Sex chromosomes

B. Swellings on the chromosomes

C. Chromosomes other than the ones which  
determine sex

D. Nucleolus organising regions of  
chromosomes

**Answer: A**



**Watch Video Solution**



45. C-value paradox is

A. Haploid DNA content

B. Diploid DNA content

C. Variable DNA content

D. Small amount of RNA as compared to DNA

**Answer: A**



**Watch Video Solution**

**46.** The frequency of mutation in a species can be increased by the use of

A. X-rays

B. UV-rays

C. Nitrous acid

D. All the above

**Answer: D**



**Watch Video Solution**

47. Down's syndrome is typical case of

- A. Trisomy
- B. Nullisomy
- C. Gene mutation
- D. Monosomy

**Answer: A**



**Watch Video Solution**

48. All nonsense codons have first base

A. Adenine

B. Cytosine

C. Uracil

D. Guanine

**Answer: C**



**Watch Video Solution**

**49.** In eukaryotes, mRNA is synthesised with the aid of

A. RNA polymerase 3

B. RNA polymerase 2

C. RNA polymerase 1

D. Reverse transcriptase

**Answer: B**



**Watch Video Solution**

**50.** In lac operon, lactose acts as

A. Inducer

B. Co-inducer

C. Repressor

D. Co-repressor

**Answer: A**



**Watch Video Solution**

**51.** The first mammalian clone "Dolly" was created by :

A. Gregor mendal

B. Ian Wilmut

C. Robert Briggs

D. Thomas King

**Answer: B**



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**52. Winged fruits occur in**

A. Lagerstroemia

B. Middle cell

C. Epiblest

D. Suspensor

**Answer: D**



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53. In monocot embryo the radicle is produced by

A. Lagerstroemia

B. Moringa

C. Colutea

D. Shorea

**Answer: B**



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54. The innermost wall layer of pollen sac is tapetum. Its functions is in

- A. Protection
- B. Nutrition
- C. Dhisence
- D. Mechanical strength

**Answer: B**



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55. The smallest viable unit which can grow, multiply and form a plant in tissue culture is

A. Chromosome

B. Nucleus

C. Cell

D. Tissue

**Answer: C**



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56. Pollen embryoids were discovered by

- A. Konar and Natraja
- B. Skoog and Miller
- C. Guha and Maheshwri
- D. Helperian and meristem

**Answer: C**



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57. Corpus is

- A. Mantle of meristem
- B. Central part of meristem
- C. Internal mass of meristem
- D. Mass meristem

**Answer: C**



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**58.** Jute of commerce is got from

- A. Primary phloem
- B. Secondary phloem

C. Secondary xylem

D. Primary xylem

**Answer: B**



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**59.** What is the position of protoxylem in secondary xylem ?

A. Exarch

B. Endarch

C. Mesarch

D. None of the above

**Answer: D**



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**60.** Bulliform or motor cells take part in

A. Providing strength to leaves

B. Folding of leaves

C. Drooping leaves

D. Protection of leaves

**Answer: B**



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**61.** External protective tissues of plants are (of dicot stem are)

- A. Cork and pericycle
- B. Cortex and epidermis
- C. Pericycle and cortex
- D. Epidermis and cortex

**Answer: D**



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62. Gum swells up in the water due to

A. Imbibition

B. Diffusion

C. Endosmosis

D. Turgidity

**Answer: A**



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63. Adding solute to pure water will cause development of

- A. Positive water potential
- B. More positive water potential
- C. More negative water potential
- D. Negative water potential

**Answer: D**



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**64.** During inflammation, which of the following is secreted by connective tissue?

- A. Heparin
- B. Histamine
- C. Serotonin
- D. Glucagon

**Answer: B**



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65. Hydathodes occur on

A. Stem

B. Leaves

C. Root tip culture

D. All the above

**Answer: B**



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66. Plastocyanin contain

A. Mo

B. Fe

C. Cu

D. Zn

**Answer: C**



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**67.** The substrate for photorespiration is

A. Malic acid

B. Oxaloacetic acid

C. Glycolic acid

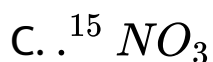
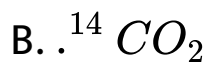
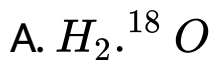
D. PGA

**Answer: C**



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**68.** Which helped in confirming that oxygen evolved in photosynthesis comes from water



D.  $^3H_2O$

**Answer: A**



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**69.** Plants protect themselves from fungi by producing

A. Phytoalexins

B. Prolectins

C. Protoxins

D. Proteases

**Answer: A**



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**70.** Which of the following is least effective in photosynthesis

A. Sunlight

B. Red light

C. Blue light

D. Green light

**Answer: D**



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71. Fruit drop is prevented by spraying

- A. Auxin
- B. Ethylene
- C. Gibberellin
- D. Abscisic acid

**Answer: A**



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72. Hormone discovered through tissue culture technique is

A. Auxin

B. Cytokinin

C. Gibberellin

D. Abscisic acid

**Answer: B**



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73. In short day plants, flowering is inhibited by

- A. Interruption of dark by white or red light
- B. Dark interruption by far red light
- C. Dark interruption by red light followed by far-red light
- D. Not possible

**Answer: A**



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**74. Antiauxin used in picking cotton balls is**

- A. 2,4-D

B. TIBA

C. NAA

D. Both A and B

**Answer: B**



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**75. Pritoplasmic straeming is**

A. Thigmonastic movements

B. Photonasty

C. Movement of locomotion

## D. Movement of curvature

**Answer: C**



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**76.** Which movements occurs due to external stimulus ?

A. Tropic

B. Nastic

C. Tactic

D. All the above

**Answer: D**



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77. A free living anaerobic bacterium capable of fixing nitrogen is

- A. Azotobacter
- B. Nitrobacter
- C. Clostridium
- D. Beijerinckia

**Answer: C**



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**78.** Sarcomere is distance between

- A. Z-line to Z-line
- B. Two I bands
- C. Two A bands
- D. Two surfaces of a Z- line

**Answer: A**



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79. Pars papillaris and pars reticularis are the regions of

- A. Epidermis
- B. Corium
- C. Hypodermis
- D. None of the above

**Answer: B**



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80. Ducts of Bellini are found in

A. Liver

B. Intestine

C. Medulla oblongata

D. Kindney

**Answer: D**



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**81.** Cardiac glands are present in

A. Pericardium

B. Myocardium



C. Endocardium

D. Stomach

**Answer: D**



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**82.** A person with bleeding gums should add to his daily diet

A. Vitamin A

B. Vitamin B

C. Vitamin C

D. Vitamin D

**Answer: C**



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**83.** The semifluid nearly digested food present in ileum is termed as

A. Chyle

B. Chyme

C. Succus entericus

D. Bile

**Answer: A**



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**84.** Reduction in respiratory surface of lungs due to breakdown of partition in the alveoli is known as

A. Asphyxia

B. Bronchitis

C. Asthma

D. Emphysema

**Answer: D**



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**85.** vital capacity of lungs of an average human is

A. 3000-4500 ml

B. 1500-1800 ml

C. 2000-2500 ml

D. 500-1000 ml

**Answer: A**



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**86.** The heart murmur is due to

- A. Coronary thrombosis
- B. Defective leaky valve
- C. Arterial pulse
- D. developed atrium

**Answer: B**



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87. Which of the following is termed as 'grave yard' of RBCs ?

A. Liver

B. Spleen

C. Kidney

D. Bone marrow

**Answer: B**



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88. Pacemaker is situated in the

- A. In the wall of atrium
- B. On the interauricular septum
- C. On interventricular septum
- D. In the wall of left atrium

**Answer: A**



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**89.** Rate of glomerular filtration per minute in an adult human beings is

A. 125 ml

B. 25 ml

C. 225 ml

D. 425 ml

**Answer: A**



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90. Which is not produced by anterior pituitary?

A. FSH

B. GH

C. Oxytocin

D. Prolactin

**Answer: C**



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**91.** Excessive thirst leading to increased consumption of water is

- A. Polyurea
- B. Glycemia
- C. Polyphagia
- D. Polydipsia

**Answer: D**



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**92.** Elbow joint is

A. Ball and socket joint

B. hinge joint

C. pivot joint

D. Suture joint

**Answer: B**



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**93.** Broca's motor speech area occurs in

A. Temporal lobe

B. Medula oblongata

C. Frontal lobe

D. Diencephalon

**Answer: C**



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**94.** Function of cerebro -spinal fluid is

A. Nourishment

B. Shock absorption

C. Collection of waste products

D. All the above

**Answer: D**



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**95.** End bulbs of Krause perceive the sensation of

A. Touch

B. Heat

C. Cold

D. Pressure

**Answer: C**



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**96.** Static balance is maintained by

- A. Maculae
- B. Cristae
- C. Organ of Corti
- D. Reissner's membrane

**Answer: A**



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97. What will happen if thyroid is removed from a tadpole ?

- A. The adpole will grow into dwar frog
- B. The larva will produce giant frog
- C. It will continue indefintiely in larval stage
- D. The larva will die

**Answer: C**



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98. Continued secretion of milk is maintained by

A. Prolactin

B. LH

C. Relaxin

D. STH

**Answer: A**



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99. Menopause occurs in females at the age of



A. 55-60 years

B. 50-55 years

C. 45-50 years

D. 37-42 years

**Answer: C**



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**100.** Memory cells are produced by

A. T-lymphocytes

B. B-lymphocytes

C. Monocytes

D. Neutrophils

**Answer: B**



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