



BIOLOGY

BOOKS - ARIHANT NEET BIOLOGY (HINGLISH)

ENVIRONMENTAL ISSUES

Check Point 26 1

1. Which of the following is an inorganic pollutant?

A. Sewage

B. Nitrates

C. Oil

D. DDT

Answer: B



Watch Video Solution

2. Xenobiotics can be categorised into which of the following category of pollutants?

- A. Multiple pollutants
- B. Biological pollutant
- C. Acid pollutant
- D. None of these

Answer: A



Watch Video Solution

3. Which of the following are primary pollutants?

- A. DDT
- B. CO_2

C. Flyash

D. All of these

Answer: D

 [Watch Video Solution](#)

4. The major secondary pollutant formed from light striking the hydrocarbons are

A. PAN

B. CO_2

C. sewage

D. BHC

Answer: A

 [Watch Video Solution](#)

5. Smog was first described in

A. 1906

B. 1905

C. 1888

D. 1952

Answer: B



Watch Video Solution

6. Primary constituents of photochemical smog are

A. SO_2 and CO

B. O_3 and PAN

C. NO_2 and hydrocarbons

D. CO_2

Answer: B



[Watch Video Solution](#)

7. In Bhopal Gas Tragedy how many people were killed?

A. 1000

B. 2500

C. 2000

D. 3000

Answer: B



[Watch Video Solution](#)

8. Affinity of CO for haemoglobin as compared to O_2 is

A. 2 times more

- B. 20 times more
- C. 100 times more
- D. 200 times more

Answer: D



[Watch Video Solution](#)

9. Suspended particle such as ash, soot, smoke may affect human body as they cause

- A. eye irritations
- B. emphysema
- C. possibly cancer
- D. All of these

Answer: D



[Watch Video Solution](#)

10. Acid rain is secondary effect of

- A. sound pollution
- B. soil pollution
- C. air pollution
- D. water pollution

Answer: C



Watch Video Solution

11. Acid rain are produced by

- A. NO_2 and SO_2
- B. NH_3
- C. CO
- D. CO_2

Answer: A



[Watch Video Solution](#)

12. The Taj Mahal may be destroyed due to

- A. flood in Yamuna river
- B. high temperature
- C. acid rain
- D. All of the above

Answer: C



[Watch Video Solution](#)

13. In cyclonic separators, which of the following act as major factor for separating particulate matter?

- A. Electricity
- B. Centrifugal force
- C. Polyesterbags
- D. All of these

Answer: B

 [Watch Video Solution](#)

14. Mass emission norms are related to

- A. CO
- B. hydrocarbons
- C. NO₂
- D. All of these

Answer: D

 [Watch Video Solution](#)

15. According to Euro-IV norms level of 'S' in Diesel and Petrol should be:-

A. 350 ppm

B. 150 ppm

C. 25 ppm

D. 5 ppm

Answer: A



[Watch Video Solution](#)

Check Point 26 2

1. Physical variables of water pollution include

A. acidity

B. pale colour

C. bad taste

D. Both (b) and (c)

Answer: D



Watch Video Solution

2. Bad taste and colour of the water bodies of tanks, ponds, etc. is due to

A. acids and grease

B. free chlorine

C. fats

D. starch

Answer: A



Watch Video Solution

3. Aluminium in drinking water may influence Matabolism,

- A. nitrate
- B. phosphate
- C. calcium
- D. fluorine

Answer: B



[Watch Video Solution](#)

4. Which of the following is responsible for kidney damage?

- A. Cadmium
- B. Fluorine
- C. Arsenic
- D. Calcium

Answer: A



Watch Video Solution

5. Minamata disease is due to a

- A. heavy metal
- B. air pollution
- C. radioactive material
- D. None of these

Answer: A



Watch Video Solution

6. Eutrophic lakes are highly

- A. productive

B. enriched with phosphates

C. Both (a) and (b)

D. None of the above

Answer: C



[Watch Video Solution](#)

7. DDT has been a major pollutant because it

A. kills aquatic animals

B. kills pests

C. destroys many valuable species

D. is non-biodegradable

Answer: D



[Watch Video Solution](#)

8. Ecosanitation is a sustainable system for handling

- A. soil pollution
- B. human excreta
- C. water
- D. radioactive material

Answer: B



[Watch Video Solution](#)

9. The index of pollution in a polluted lake is

- A. Daphnia
- B. BOD
- C. stoneflies
- D. All of these

Answer: A



Watch Video Solution

10. The chemicals released due to unsustainable agricultural practices and causing soil pollution are

- A. pathogens
- B. chemical fertilisers
- C. strontium-90
- D. None of the above

Answer: B



Watch Video Solution

11. Slash and burn agriculture is known as

- A. striping farming
- B. intercrop farming
- C. jhum cultivation
- D. None of these

Answer: C

 [Watch Video Solution](#)

12. Result of deforestation is

- A. increase in CO_2 concentration
- B. decrease in CO_2 concentration
- C. water pollution
- D. All of the above

Answer: A

 [Watch Video Solution](#)

13. Which of the following is carried out at $900 - 1300^{\circ}C$?

- A. Pyrolysis
- B. Incineration
- C. Both (a) and (b)
- D. All of these

Answer: B



Watch Video Solution

14. Who initiated organic farming in Sonipat, Haryana?

- A. Ramesh Dagar
- B. Amrita Devi
- C. Ahmed Khan

D. None of these

Answer: A



[Watch Video Solution](#)

15. The process of restoring a forest that one existed but was removed at some point of time in the past, is called

A. aforestation

B. reforestation

C. deforestation

D. Both (a) and (b)

Answer: B



[Watch Video Solution](#)

1. Noise becomes unbearable at

- A. 75 dB
- B. 65 dB
- C. 55 dB
- D. 140 dB

Answer: D



[Watch Video Solution](#)

2. Noise intensity of jet aeroplane is

- A. 120 dB
- B. 150 dB
- C. 180 dB
- D. 194 dB

Answer: B



[Watch Video Solution](#)

3. Maximum noise permissible during daytime in residential area is

A. 75 dB

B. 55 dB

C. 65 dB

D. 45 dB

Answer: B



[Watch Video Solution](#)

4. Radioactive pollution is caused by

A. α -particles

B. β -particles

C. γ -particles

D. All of these

Answer: D



Watch Video Solution

5. The most abundant nucleides found in river insects are

A. P-32

B. S

C. Zm-65

D. Both (a) and (c)

Answer: D



View Text Solution

6. Strontium-90 causes

- A. bone cancer
- B. TB
- C. hepatitis
- D. jaundice

Answer: A



Watch Video Solution

7. Thyroid is treated by radiation therapy is known as

- A. endoscopy
- B. chemotherapy
- C. radioiodine
- D. None of these

Answer: C



Watch Video Solution

8. Sources of solid wastes are

- A. municipal wastes
- B. electronic wastes
- C. hospital wastes
- D. All of these

Answer: D



Watch Video Solution

9. A fine powder of recycled modified plastic is known as

- A. polycarbon

B. polynol

C. polyblend

D. polycol

Answer: C



Watch Video Solution

10. Polyblend was developed by

A. Ahmed khan

B. Amrita Devi

C. Prasad Bhatt

D. Sundar Lal

Answer: A



Watch Video Solution

1. Ozone gas is formed by the action of

- A. UV rays
- B. mircoorganisms
- C. low temperature
- D. All of these

Answer: A

 [Watch Video Solution](#)

2. Ozone hole is present above

- A. Antarctica
- B. India
- C. USA

D. USSR

Answer: A



[Watch Video Solution](#)

3. Chlorofluorocarbons are not recommended to be used in refrigerators because they

A. increase temperature

B. deplete ozone

C. affect environment

D. affect human body

Answer: B



[Watch Video Solution](#)

4. Ozone hole result is

- A. rainfailure
- B. cataract
- C. increase in skin cancer
- D. All of these

Answer: D



[Watch Video Solution](#)

5. Greenhouse effect refers to

- A. cooling of earth
- B. trapping of UV rays
- C. production of cereals
- D. warming of earth

Answer: D



[Watch Video Solution](#)

6. Who described greenhouse effect?

- A. Fourier
- B. Ahmed Khan
- C. Both (a) and (b)
- D. None of these

Answer: A



[Watch Video Solution](#)

7. Gases referred to as 'greenhouse gases' are

- A. CO_2 , O_2 , NO_2 , NH_3

B. $CFCs$, CO_2 , NH_3 , N_2

C. CH_4 , N_2 , CO_2 , NH_3

D. $CFCs$, CO_2 , CH_4 , NO_2

Answer: D

 [Watch Video Solution](#)

8. Which of these gases is not involved in global warming?

A. Methane

B. Chlorofluorocarbon

C. Nitrogen

D. Carbon dioxide

Answer: C

 [Watch Video Solution](#)

9. El nino effect is due to

- A. odd climatic changes
- B. air pollutuion
- C. eutrophication
- D. biomagnification

Answer: A



Watch Video Solution

10. Loss of forests, urbanization, increasing pollution are all due to :

- A. greenhouse effect
- B. global warming
- C. ozone depletion
- D. population explosion

Answer: B



Watch Video Solution

11. The Montreal Protocol aimed at

- A. persistent organic pollutants
- B. global warming and climate change
- C. protecting stratospheric ozone
- D. biosafety of genetically modified organisms

Answer: C



Watch Video Solution

12. Chipko movement was launched in

- A. 1974

B. 1931

C. 1731

D. 1789

Answer: A



Watch Video Solution

13. The act passed for air, water and soil pollution was

A. Environment act 1986

B. Air act 1981

C. Water act 1974

D. Noise pollution act 2000

Answer: A



Watch Video Solution

14. Insecticide act was passed in

- A. 1981
- B. 1968
- C. 1974
- D. 1986

Answer: B



[Watch Video Solution](#)

15. National pollution prevention day is observed on

- A. 5th June
- B. 2nd December
- C. 10th October
- D. None of the above

Answer: B



Watch Video Solution

Chapter Exercises A Taking It Together Assorted Questions Of The Chapter For Advanced Level Practice

1. Ozone depletion is occurring due to

A. PCB

B. CO

C. PAN

D. None of these

Answer: D



Watch Video Solution

2. One of the following is linked with greenhouse effect

A. *CFCs*

B. Freon and CH_4

C. CO_2

D. All of these

Answer: D



Watch Video Solution

3. Which of the following may accumulate at different trophic levels?

A. SO_2

B. Mercury

C. DDT

D. Both (b) and (c)

Answer: D



[Watch Video Solution](#)

4. Taj mahal is threatened by pollution from

A. chlorine

B. CO_2

C. oxygen

D. hydrogen

Answer: B



[Watch Video Solution](#)

5. The most hazardous metal pollutant of automobile exhaust is

A. cadmium

B. mercury

C. copper

D. lead

Answer: D



Watch Video Solution

6. Greenhouse gas is enhanced in the environment by the

A. CO_2

B. CO

C. SO_2

D. NO_2

Answer: A



Watch Video Solution

7. Effects of air pollution are usually seen on the

- A. leaves
- B. flowers
- C. stems
- D. roots

Answer: A



Watch Video Solution

8. "Ozone Day" is observed on:

- A. 30 January
- B. 29 April
- C. 16 September
- D. 25 December

Answer: C

 [Watch Video Solution](#)

9. DDT is

A. organophosphate

B. organochlorine

C. carbonate

D. triazine

Answer: B

 [Watch Video Solution](#)

10. Acid rain occurs where atmosphere is heavily polluted with

A. CO , CO_2

B. smoke particles

C. O_3

D. SO_2 and NO_2

Answer: D

 [Watch Video Solution](#)

11. CO is a major pollutant of

A. water

B. air

C. soil

D. All of these

Answer: B

 [Watch Video Solution](#)

12. Compressed Natural Gas (CNG) is

- A. propane
- B. methane
- C. ethane
- D. butane

Answer: B



Watch Video Solution

13. World's most problematic aquatic weed is

- A. Azolla
- B. Wolffia
- C. Eichhornia
- D. Trapa

Answer: C



Watch Video Solution

14. The trace gas which is produced in rice field and is associated with global warming is

A. CH_4

B. N_2O

C. CO_2

D. H_2S

Answer: A



Watch Video Solution

15. Main air pollutant is

A. CO

B. CO_2

C. SO_2

D. All of these

Answer: D



Watch Video Solution

16. Which of the following is normally not an atmospheric classified pollutant?

A. CO

B. CO_2

C. NO_2

D. Sulphur

Answer: B

 [Watch Video Solution](#)

17. Environment planning organisation is

- A. CSIR
- B. NEERI
- C. ICAR
- D. CEPHERI

Answer: B

 [Watch Video Solution](#)

18. Mosses are the indicators of

- A. SO_2 pollution
- B. CO pollution
- C. NO_2 pollution

D. CO_2 pollution

Answer: A



[Watch Video Solution](#)

19. Which of the following materials takes the longest time for biodegradation ?

A. Cotton

B. Paper

C. Bone

D. Jute

Answer: C



[Watch Video Solution](#)

20. The green scum seen in the freshwater bodies is

- A. blue-green algae
- B. red algae
- C. green algae
- D. Both (a) and (c)

Answer: D



[Watch Video Solution](#)

21. Pollutant of jet planes is:

- A. fluorocarbons
- B. CO
- C. CO_2
- D. NH_3

Answer: A



Watch Video Solution

22. Which pollutant causes leaf curling?

A. SO_2

B. CO

C. H_2S

D. O_3

Answer: A



Watch Video Solution

23. Biondegradable pollutant is

A. plastic

B. sewage

C. asbestos

D. All of these

Answer: B



Watch Video Solution

24. Blue-baby syndrome occurs by the pollution of

A. CO

B. fluoroine

C. nitrate

D. mercury

Answer: C



Watch Video Solution

25. In a polluted lake, the index of pollution is:

- A. frog
- B. artemia
- C. Daphnia
- D. None of these

Answer: C



Watch Video Solution

26. Eutrophication causes reduction in

- A. dissolved O_2
- B. dissolved hydrogen
- C. dissolved salt
- D. All of these

Answer: A



[Watch Video Solution](#)

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

- A. increase
- B. decrease
- C. unchanged
- D. slightly decrease

Answer: A



[Watch Video Solution](#)

28. The first biocide used on a large scale was

- A. DDT

B. 2, 4-D

C. mercury

D. melathion

Answer: A



Watch Video Solution

29. The noise pollution is measured in:

A. fathoms

B. decibels

C. tonne

D. kilogram

Answer: B



Watch Video Solution

30. One of the most dangerous radioactive pollutant is:

- A. phosphorus-32
- B. strontium-90
- C. calcium-40
- D. sulphur-32

Answer: B



[Watch Video Solution](#)

31. Which of the following radioactive isotopes is used in the detection of thyroid cancer?

- A. I-131
- B. U-238
- C. C-14
- D. P-32

Answer: A



Watch Video Solution

32. Which of the following chemicals causes bone cancer and degeneration of tissues?

A. I-131

B. Ca-40

C. I-127

D. Sr-90

Answer: D



Watch Video Solution

33. Burning of plastics releases

A. CFCs

B. SO_2

C. benzopyrene

D. PCB

Answer: D



[Watch Video Solution](#)

34. The leukaemia is caused by:

A. Ca-40

B. Sr-90

C. caesium

D. iodine

Answer: B



[Watch Video Solution](#)

35. Photochemical smog was first observed in

A. Los Angeles

B. Tokyo

C. New York

D. Sydney

Answer: A



Watch Video Solution

36. Classical smog was first observed in

A. Tokyo

B. New York

C. Sydney

D. London

Answer: D



Watch Video Solution

37. Domestic waste is

A. effluent

B. biodegradable

C. non-biodegradable

D. air pollutant

Answer: B



Watch Video Solution

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

A. CO_2

B. CO

C. SO_2

D. CH_4

Answer: C



Watch Video Solution

39. Disease aggravated by pollution is

A. scurvy

B. rheumatism

C. haemophilia

D. bronchitis

Answer: D



Watch Video Solution

40. Effect of pollution is first marked on

- A. microorganisms
- B. vegetation
- C. food crops
- D. None of these

Answer: D



Watch Video Solution

41. World Environment Day is celebrated on

- A. 25th December
- B. 20th September
- C. 5th June

D. 9th July

Answer: C



Watch Video Solution

42. Water blooms are formed by

- A. Lemna
- B. Hydrilla
- C. water hyacinth
- D. planktonic algae

Answer: C



Watch Video Solution

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

A. Britain

B. India

C. Japan

D. USA

Answer: C



Watch Video Solution

44. ODS means

A. Ozone Developing Substance

B. Ozone Depleting Substance

C. Ozone Data Source

D. Office Data Secrecy

Answer: B



Watch Video Solution

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

- A. nitrogen oxides
- B. fluorides
- C. carbon monoxide
- D. aldehydes

Answer: A



[Watch Video Solution](#)

46. Lead pollution in Indian cities had been mainly due to

- A. lead pencils
- B. batteries
- C. automobiles

D. electronic gadgets

Answer: C



[Watch Video Solution](#)

47. Ozone hole over antarctica was first detected by

A. Molina and Rowland

B. Farman et. Al.

C. Augus

D. Molina and Molina

Answer: B



[Watch Video Solution](#)

48. Osteoporosis will be caused by the pollutant

- A. chlorine
- B. bromine
- C. fluorine
- D. None of these

Answer: C

 [Watch Video Solution](#)

49. SPM causes

- A. respiratory disease
- B. skin disease
- C. bone deformities
- D. All of these

Answer: A

 [Watch Video Solution](#)

50. The range of normal human hearing lies between

- A. 500-10000 Hz
- B. 2000-200000 Hz
- C. 5000-6000 Hz
- D. 20-20000 Hz

Answer: D



[Watch Video Solution](#)

51. The threshold of pain to human ears is

- A. 50-60 dB
- B. 30-40 dB
- C. 120-140 dB

D. 160-180 dB

Answer: C



Watch Video Solution

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

A. arsenic

B. mercury

C. fluorine

D. cadmium

Answer: A



Watch Video Solution

53. Radioactive element found in tobacco smoke is

A. iodine-131

B. polonium-210

C. caesium-137

D. strontium-90

Answer: B



Watch Video Solution

54. Which component of a fertile soil is reduced as the result of burning crops?

A. Calcium

B. Clay

C. Humus

D. Sand

Answer: C

 [View Text Solution](#)

55. Which kind of power station produces sulphur dioxide, causing air pollution and acid rain?

- A. Coal-fired
- B. Nuclear
- C. Hydroelectric
- D. Wind-powered

Answer: A

 [Watch Video Solution](#)

56. Non-biodegradable pollutants are created by :

- A. nature
- B. excessive use of resources

C. humans

D. natural disasters

Answer: C



Watch Video Solution

57. CO is a pollutant because it

A. inactivates nerves

B. combines with oxygen

C. combines with Hb

D. inhibits growth

Answer: B



Watch Video Solution

58. Catalytic converter is used in automobiles

- A. to remove lead
- B. for converting unburnt hydrocarbon into CO_2 and H_2O
- C. to remove H_2O
- D. All of the above

Answer: B



[Watch Video Solution](#)

59. The material generally used for sound proofing of rooms like a recording studio and auditorium, etc. is

- A. cotton
- B. coir
- C. wood
- D. styro foam

Answer: D



[Watch Video Solution](#)

60. The loudness of a sound that a person can withstand without discomfort is about

- A. 150 dB
- B. 215 dB
- C. 30 dB
- D. 80 dB

Answer: D



[Watch Video Solution](#)

61. The gas which was released in Bhopal gas tragedy was

- A. ethylene
- B. methyl isocyanate
- C. mustard gas
- D. potassium isocyanate

Answer: B

 [Watch Video Solution](#)

62. Smog is

- A. smoke
- B. moistened air gases
- C. other name for dust storm
- D. smoke and fog

Answer: D

 [Watch Video Solution](#)

63. Sewage water can be purified for recycling with action of :

- A. microorganisms
- B. penicillin
- C. fishes
- D. aquatic plants

Answer: A



Watch Video Solution

64. The excess discharged of fertilisers into water bodies results in

- A. silt
- B. death of hydrophytes
- C. eutrophication

D. growth of fish

Answer: C



Watch Video Solution

65. Shallow lake rich organic products is called

A. heterotrophic

B. eutrophic

C. mesotrophic

D. oligotrophic

Answer: B



Watch Video Solution

66. Population explosion of small organisms due to nutrient enrichment of a lake caused a visual aspect, called

- A. primary production
- B. algal bloom
- C. climax state
- D. dominance

Answer: B



[Watch Video Solution](#)

67. BOD of a river water is found very high. This means water:

- A. clean
- B. highly polluted
- C. having algae
- D. contain dissolved minerals

Answer: B



[Watch Video Solution](#)

68. By what method can the quantity of organic pollutants in water be determined?

- A. pH
- B. Change of colour
- C. Measuring BOD
- D. Transparency measurement

Answer: C



[Watch Video Solution](#)

69. BOD is connected with the

- A. microbes only
- B. microbes and organic matter
- C. organic matter only
- D. None of these

Answer: B

 [Watch Video Solution](#)

70. Non-biodegradable pollutant is

- A. plastic
- B. mud
- C. leaves
- D. fruits

Answer: A

 [Watch Video Solution](#)

71. Which one of the following impurities is easiest to remove from wastewater ?

- A. Bacteria
- B. Colloids
- C. Dissolved solids
- D. Suspended solids

Answer: D



[Watch Video Solution](#)

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

- A. mercury
- B. lead
- C. chromium

D. cadmium

Answer: D



Watch Video Solution

73. BOD of drinking water is:

A. more than dirty water

B. less than dirty water

C. equal to dirty water

D. All of these

Answer: B



Watch Video Solution

74. Which one of the following diseases is not due to contamination of water ?

A. Hepatitis-B

B. Jaundice

C. Cholera

D. Typhoid

Answer: A



[Watch Video Solution](#)

75. The most outstanding danger at present for survival of living beings on Earth is:

A. glaciation

B. deforestation

C. radiation hazards

D. desertification

Answer: C



[Watch Video Solution](#)

76. The term 'Nuclear war' is associated with

A. soil pollution

B. water pollution

C. radioactive pollution

D. All of these

Answer: C



[Watch Video Solution](#)

77. Secondary pollutant is

A. SO_2

B. CO

C. DDT

D. PAN

Answer: D



Watch Video Solution

78. Contamination of radioactive materials are dangerous because it causes

A. biological magnification

B. gene mutation

C. photochemical smog

D. ozone destruction

Answer: B

 [Watch Video Solution](#)

79. Nuisance growth of aquatic plants and bloom-forming algae in natural waters is generally due to high concentrations of

- A. carbon
- B. sulphur
- C. calcium
- D. phosphorus

Answer: D

 [Watch Video Solution](#)

80. 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



Watch Video Solution

81. Noise was recognised as air pollutant through amendment of

A. Environment (Protection) act

B. Air (Prevention and Control of Pollution)

C. Noise (Control and Pollution) act

D. All of the above

Answer: B



Watch Video Solution

82. Photochemical reaction of nitrogen oxides with unsaturated hydrocarbons produces

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

Answer: D



Watch Video Solution

83. Photochemical smog brings about

- A. defoliation
- B. bleaching and blazing of foliage
- C. floral bud shedding
- D. discolouration and curling of petals

Answer: B



Watch Video Solution

84. Greenhouse gases are

- A. absorb largewave radiations from the earth
- B. are transparent to both large and short
- C. absorb solar radiations for warming the atmosphere of earth
- D. are transparent to emissions from the earth for passage into outer space

Answer: C



Watch Video Solution

85. Algal blooms impart a distinct colour to water due to

- A. their pigments
- B. excretion of coloured substances
- C. formation of coloured chemicals in water facilitates by physiological degradation of algae
- D. absorption of light by algal cell wall

Answer: A



Watch Video Solution

86. Antiknocking agent of unleaded petrol is

- A. tetraethyl lead
- B. tetramethyl lead
- C. dibromo ethane
- D. methyl tertiary butyl ether

Answer: A



Watch Video Solution

87. Kyoto conference is connected with

- A. limiting production of SO_2
- B. developing alternatives to ODS (Ozone Depleting Substance)
- C. reduced emission of greenhouse gases
- D. reduction in use of energy

Answer: C



Watch Video Solution

88. Climate of the world is threatened by

- A. increasing concentration of atmospheric oxygen
- B. decreasing amount of atmospheric oxygen
- C. increasing amount of atmospheric CO_2

D. decreasing amount of CO_2 atmospheric concentration

Answer: C



[Watch Video Solution](#)

89. Algal bloom in a lake

A. leads to O_2 depletion

B. increases CO_2 level

C. kills fishes and other organisms

D. All of the above

Answer: D



[Watch Video Solution](#)

90. Water pollution

- A. turbidity
- B. oxygenation
- C. O_2 content
- D. None of these

Answer: A

 [Watch Video Solution](#)

91. The major source of noise pollution, worldwide is due to

- A. Office equipment
- B. Transport system
- C. Sugar, textile and paper industries
- D. Oil refineries and thermal power plants

Answer: B

 [Watch Video Solution](#)

92. Catalytic converters are fitted into automobiles to reduce emission of harmful gases. Catalytic convertes change unburnt hydrocarbons into

- A. carbon dioxide and water
- B. carbon monoxide
- C. methane
- D. carbon dioxide and methane

Answer: A



Watch Video Solution

93. Why is it necessary to remove sulphur from petroleum products ?

- A. To reduce the emission of sulphur dioxide in exhaust fumes
- B. To increase efficiency of automobiles engines
- C. To use sulphur removed from petroleum for commerical purposes

D. To increase the lifespan of engine silencers

Answer: A



[Watch Video Solution](#)

94. A pollutant is any substance, chemical or other factor that changes

- A. natural geochemical cycle
- B. the natural balance of our environment
- C. the natural flora of our environment
- D. the natural wildlife of our region

Answer: B



[Watch Video Solution](#)

95. Minamata disease affects the

A. circulatory system

B. skeletal system

C. nervous system

D. respiratory system

Answer: C



[Watch Video Solution](#)

96. Thermal pollution of water bodies is due to discharge of:

A. wastes from mining

B. agricultural run off

C. chemical from the industries

D. heat from the power plants

Answer: D



[Watch Video Solution](#)

97. Increasing concentration of DDT in organisms of a food chain in higher trophic levels is known as

- A. biological chain
- B. biological value
- C. biological magnification
- D. biotic potential

Answer: C



[Watch Video Solution](#)

98. The major drawback of DDT as a pesticide is that :

- A. it is not degraded in nature
- B. its cost of production is high
- C. it is significantly less effective than other pesticides

D. the organisms at once develop resistance to it.

Answer: A



Watch Video Solution

99. Among the following which one causes more indoor chemical pollution ?

A. burning coal

B. burning cooking gas

C. burning mosquito coil

D. room spray

Answer: C



Watch Video Solution

100. Choose the incorrect statement.

- A. The Montreal Protocol is associated with the control of emission of ozone depleting substances
- B. Methane and carbon dioxide are greenhouse gases
- C. Dobson units are used to measure oxygen content
- D. Use of incinerators is crucial to disposal of hospital wastes

Answer: C



Watch Video Solution

101. Decomposition of domestic wastes under natural process is included in

- A. industrial pollution
- B. thermal pollution
- C. non-biodegradable pollution

D. biodegradable pollution

Answer: D



[Watch Video Solution](#)

102. Often in water bodies subjected to sewage pollution, fishes die because of the:

A. pathogens related to sewage

B. reduction of dissolved O_2 caused by microbial activity

C. clogging of their gills by solid substance

D. foul smell

Answer: B



[Watch Video Solution](#)

103. If water pollution continues at its present rate, it will eventually

- A. stop the water cycle
- B. make O_2 molecule unavailable to water plants
- C. make nitrate molecules unavailable to water plant
- D. prevent precipitate

Answer: B



[Watch Video Solution](#)

104. The expanded form of DDT is

- A. Dichloro Diphenyl Trichloroethane
- B. Dichloro Diethyl Trichloroethane
- C. Dichloro Dipyrydyl Trichloroethane
- D. Dichloro Diphenyl Tetrachloroacetate

Answer: A



[Watch Video Solution](#)

105. Acid rain occurs in areas where

- A. large plantation occurs
- B. small plantation occurs
- C. there are big industries and the atmosphere is polluted with SO_2
- D. there are no industries

Answer: C



[Watch Video Solution](#)

106. Which type of pollution is caused by scooters?

- A. Air pollution

B. Soil pollution

C. Both (a) and (b)

D. water pollution

Answer: A



Watch Video Solution

107. Fly ash is environmental pollutant produced by

A. thermal power plant

B. oil refinery

C. fertilisation plant

D. strip mining

Answer: A



Watch Video Solution

108. Most harmful type of environmental pollutants are

- A. human organic wastes
- B. wastes from faecal
- C. non-biodegradable chemicals
- D. natural nutrients present in excess

Answer: C



Watch Video Solution

109. Which process does not result in the return of carbon dioxide to the atmosphere?

- A. Combustion of fossil fuels
- B. Decomposition of humus
- C. Respiration by bacteria
- D. Photosynthesis by green plants

Answer: D



Watch Video Solution

110. Which air pollutant could cause rains to be acidic?

- A. Dust particles from cement factories
- B. Insecticides from crop sprays
- C. Smoke from wood fires
- D. Sulphur dioxide from coal-fired power stations

Answer: D



Watch Video Solution

111. Why does the oxygen concentration in the water decrease when sewage is discharged into a river?

- A. Due to microbial activity
- B. Increase in the number of fish
- C. Less oxygen absorbed from the air
- D. Rapid growth of bacteria

Answer: A

 [Watch Video Solution](#)

112. Ozone hole is the

- A. absence of O_3 in troposphere
- B. absence of O_3 in stratosphere
- C. deficiency of O_3 in stratosphere
- D. deficiency of O_3 in troposphere

Answer: C

 [Watch Video Solution](#)

113. Which of the following statements is incorrect?

- A. Greenhouse effect was first described by Fourier
- B. Ozone layer depleted due to water pollution
- C. CFCs are also known as ozone eaters
- D. CO_2 fertilisation occurs due to greenhouse effect

Answer: B



[Watch Video Solution](#)

114. How human activities increased the supply of fixed nitrogen available to the primary producers?

- A. Use of nitrogen fertilisers
- B. Increased cultivation of legumes
- C. Deliberate burning of fields

D. All of the above

Answer: D



[Watch Video Solution](#)

115. Which of the following is not thought to be a possible consequence of rising CO_2 levels?

- A. C_4 crops, such as corn, being replaced by more C_3 plants such as wheat and soybean
- B. Rising global temperature
- C. Increased breakdown of atmospheric ozone
- D. Increased vegetative productivity

Answer: C



[Watch Video Solution](#)

116. Ozone is

- A. harmful in the upper atmosphere
- B. beneficial in the upper atmosphere
- C. beneficial in the lower atmosphere
- D. harmful in the upper atmosphere and beneficial in the lower atmosphere

Answer: B



Watch Video Solution

117. The destruction of the ozone layer is most directly linked to the

- A. destruction of tropical rain forests
- B. release of Chlorofluorocarbons (CFCs) into the atmosphere
- C. decrease in the production of ozone precursors by chemical production plants

D. global warming

Answer: B



Watch Video Solution

118. Eutrophication in lakes is the direct result of

A. a diminished supply of nitrates and phosphates

B. industrial poisons

C. nutrient enrichment such as nitrate and phosphate runoffs from
the land

D. an increase in predators

Answer: C



Watch Video Solution

119. Which of these show a result of deforestation and its effect on the environment?

Result		Effect
(a) Fewer flowering plants	–	Reduced CO_2 in air
(b) Fewer trees	–	Increased humidity of air
(c) More ground cover	–	Wind removes soil
(d) More water drains away	–	Soil washed away



[Watch Video Solution](#)

120. What is a long-term effect of cutting down larger areas of rainforests?

- A. Decreased carbon dioxide content in the air
- B. Decreased flooding of low-lying land
- C. Increased rainfall in these areas
- D. Increased rate of soil erosion

Answer: D



[Watch Video Solution](#)

121. Some possible properties of modern insecticides are listed below. When these insecticides are used, which property helps to keep environmental pollution at the lowest level?

- A. Accumulates in the bodies of predators
- B. Broken down by soil bacteria
- C. Easily washed into lakes and rivers
- D. Taken up by the plant roots

Answer: B



Watch Video Solution

122. A lake has been polluted by sewage. Compared with unpolluted water, the water in this lake will have

- A. fewer bacteria

B. more fish

C. more nitrogen compounds

D. more oxygen

Answer: C



Watch Video Solution

123. The table shows the oxygen level, numbers of green plants and of fish in rivers flowing through four towns. Which town is most likely to be discharging untreated sewage?

Oxygen level	Green plants	Fish
(a) high	few	many
(b) high	many	many
(c) low	few	few
(d) low	many	few



Watch Video Solution

124. In pollution, the term 'synergism' is used for

- A. biomagnification of non-degradable pollutants
- B. dangerous effect when two pollutants are present together
- C. decreasing effect to a degradable pollutant
- D. formation of more potent secondary pollutant from primary pollutants

Answer: D



Watch Video Solution

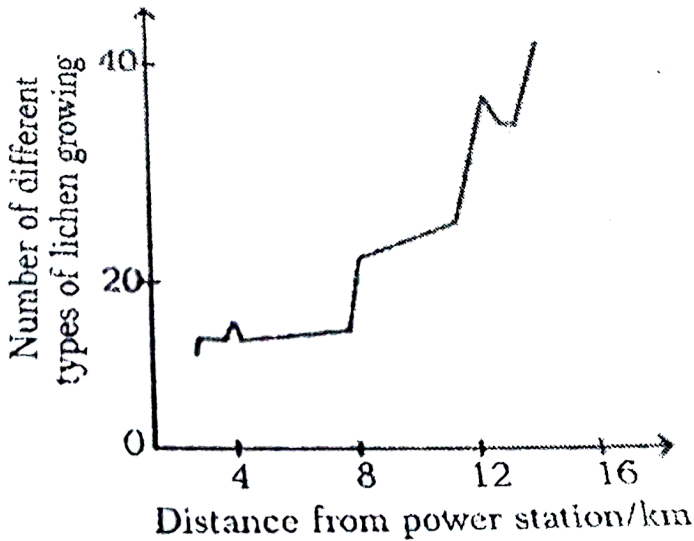
125. Ecological balance of a mining area is restored through

- A. conversion into agricultural area
- B. revegetation of area
- C. prevention of soil erosion
- D. protection against grazing

Answer: B



126. Lichens are organisms, which are very sensitive to air pollution. The graph shows how the distance from a coal-fired power station affects the number of different types of growing lichen.



What conclusion can be drawn from this information?

- A. Lichens grow faster near the power station
- B. Lichens grow more fast near the power station
- C. There are fewer different types of lichens growing near the power station

D. There are more different types of lichens growing near the power station

Answer: C



Watch Video Solution

Chapter Exercises B Medical Entrances Special Format Questions Statement Based Questions

1. Consider the following statements

I. Decrease in hearing sensitivity.

II. Increase in hearing sensitivity.

III. Change in heart rate and constriction of blood vessels.

IV. Change in heart rate but not the constriction of blood vessels.

Which of these are correct regarding the effects of noise pollution?

A. II and IV

B. II and III

C. I and III

D. I and II

Answer: C



Watch Video Solution

2. Which of the following statements is correct?

I. Montreal Protocol was signed in 1987.

II. Earth Summit 1992 was held at Rio-de-Janeiro.

III. World Environment Day is 5 June.

IV. World Environment Day coincides with commemoration of First United Nations Conference of Human Environment.

V. At DO below 4 mg/L water at normal temperature is heavily polluted.

A. I, II, III, IV and V

B. All except IV

C. All except II and III

D. None of the above

Answer: B



Watch Video Solution

3. Which of the following statements about eutrophication are true?

I. It can be a naturally occurring process.

II. It is commonly found in standing rather than running water.

III. It can lead to oxygen depletion.

IV. It is commonly associated with high levels of nitrates and sulphates.

V. It is commonly associated with high levels of phosphates and nitrates.

A. I, II, III and IV

B. II, III and IV

C. I, II, III and V

D. All of the above

Answer: C



4. Which of the following statements regarding the greenhouse effect are correct.

I. Global warming will result in an increases in the number of tropical storms.

II. Addition of greenhouse gases to the atmosphere results in increased heat energy in the atmosphere.

III. Global warming will result in rising sea levels.

IV. Full recovery from the enhanced greenhouse effect will require many centuries.

A. I, III and IV

B. I and II

C. III and I

D. IV and I

Answer: A

Chapter Exercises B Medical Entrances Special Format Questions Matching

1. Match the following Columns.

Column I

A. DDT

B. PAN

C. Acid rain

D. Global warming

Column II

1. CO, CO₂

2. smog

3. Biological magnification

4. SO₂

A. A B C D
4 3 2 1

B. A B C D
1 2 3 4

C. A B C D
2 3 4 1

D. A B C D
3 2 4 1

Answer: D

2. Match the following Columns.

Column I

Column II

- | | |
|-------------------|-------------------|
| A. Ek nino effect | 1. Rio-de-Janeiro |
| B. Earth Summit | 2. 1974 |
| C. Amrita Devi | 3. Global warming |
| D. Sunder Lal | 4. 1731 |

A. A B C D
1 2 4 3

B. A B C D
3 1 4 2

C. A B C D
3 4 1 2

D. A B C D
1 4 3 2

Answer: B



Watch Video Solution

3. Match the following Columns.

Column I

Column II

- | | |
|--------------------------------------|-------------------|
| A. World Environment Day | 1. 2nd December |
| B. World Ozone Day | 2. 29th December |
| C. National Pollution Prevention Day | 3. 16th September |
| D. Biological Diversity Day | 4. 5th June |

- A. A B C D
1 2 3 4
- B. A B C D
4 2 1 3
- C. A B C D
1 2 3 4
- D. A B C D
4 3 1 2

Answer: D

 [Watch Video Solution](#)

4. Match correctly the following and choose the correct option.

Environment Protection Act	A, 1974
Air prevention and control of Pollution Act	B. 1987
Water Act	C. 1986
Amendment of Air Act to include noise	D. 1981

The correct match is

- A. A B C D
3 4 1 2
- B. A B C D
1 3 2 4
- C. A B C D
4 1 2 3

D. A B C D
 3 4 2 1

Answer: A



Watch Video Solution

5. Match the items in column I and column II and choose the correct option.

Column I

UV

Biodegradable organic matter

DDT

Phosphates

Column II

(i) Biomagnification

(ii) Eutrophication

(iii) Snow blindness

(iv) BOD

The correct match is :

A. A B C D
 2 1 4 3

B. A B C D
 3 2 4 1

C. A B C D
 3 4 1 2

D. A B C D
 3 1 4 2

Answer: C



Watch Video Solution

Chapter Exercises B Medical Entrances Special Format Questions Assertion Reason

1. Assertion Greenhouse effect is due to thick layer of CO_2 .

Reason CO_2 acts as the glass panels of a greenhouse allowing the sunlight to filter through, but preventing the heat from being re-radiated in outer space.

- A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion
- B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion
- C. Assertion is true, but Reason is false
- D. Assertion is false, but Reason is true

Answer: A



[Watch Video Solution](#)

2. Assertion The problem of acid rain has dramatically increased due to industrialisation.

Reason Industries are responsible for most of the emission of oxides of sulphur and nitrogen.

- A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion
- B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion
- C. Assertion is true, but Reason is false
- D. Assertion is false, but Reason is true

Answer: A



[Watch Video Solution](#)

3. Assertion Acid rain disrupts ecological balance.

Reason Acid rain affects flora and fauna.

- A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion
- B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion
- C. Assertion is true, but Reason is false
- D. Assertion is false, but Reason is true

Answer: A



[Watch Video Solution](#)

4. Assertion Increase in ozone concentration near the earth's surface reduces crop yields.

Reason Increase in ozone concentration in stratosphere protects us.

- A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion
- B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion
- C. Assertion is true, but Reason is false
- D. Assertion is false, but Reason is true

Answer: B

 [Watch Video Solution](#)

5. Assertion Fluoride is not necessary for human health.

Reason Knock-knee disease is due to excess consumption of fluoride.

- A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion

B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion

C. Assertion is true, but Reason is false

D. Assertion is false, but Reason is true

Answer: D

 [Watch Video Solution](#)

6. Assertion CO_2 is the main pollutant causing greenhouse effect.

Reason Incomplete combustion of fossil fuels in automobiles releases 80 % of CO_2 .

A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion

B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion

C. Assertion is true, but Reason is false

D. Assertion is false, but Reason is true

Answer: C

 [Watch Video Solution](#)

7. Assertion Liquid waste products from industrial processes and domestic activity are termed as effluents.

Reason Fertiliser factories, steel and textile sugar mills are some industries, which release effluents.

A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion

B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion

C. Assertion is true, but Reason is false

D. Assertion is false, but Reason is true

Answer: B



[Watch Video Solution](#)

8. Assertion Phosphours and nitrogen compounds in a lake, favour the luxuriant growth of algae.

Reason Water bloom condition occurs in eutrophic ponds.

- A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion
- B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion
- C. Assertion is true, but Reason is false
- D. Assertion is false, but Reason is true

Answer: B



[Watch Video Solution](#)

9. Assertion Noise is considered as a pollutant.

Reason Noise adversely affects our health.

- A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion
- B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion
- C. Assertion is true, but Reason is false
- D. Assertion is false, but Reason is true

Answer: A



[Watch Video Solution](#)

10. Assertion Jhuming practice causes soil erosion.

Reason Jhuming practice involves deforestation.

- A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion
- B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion
- C. Assertion is true, but Reason is false
- D. Assertion is false, but Reason is true

Answer: A



Watch Video Solution

11. Assertion Use of weedicides affects photosynthetic ability of plants.

Reason Weedicides are metabolic inhibitors.

- A. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion

- B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion
- C. Assertion is true, but Reason is false
- D. Assertion is false, but Reason is true

Answer: A

 [Watch Video Solution](#)

Chapter Exercises C Medical Entrances Gallery Collection Of Questions Asked In Neet In Various Medical Entrance Exams

1. Biochemical Oxygen Demand (BOD) may not be a good index for pollution in water bodies receiving effluents from
- A. domestic sewage
 - B. dairy industry
 - C. petroleum industry

D. sugar industry

Answer: C



Watch Video Solution

2. A lake which is rich in organic waste may result in

- A. increased population of aquatic organisms due to minerals
- B. drying of the lake due to algal bloom
- C. increased population of fish due to lots of nutrients
- D. mortality of fish due to lack of oxygen

Answer: D



Watch Video Solution

3. The highest DDT concentration in aquatic food chain shall occur in

A. phytoplankton

B. seagull

C. crab

D. eel

Answer: B



[Watch Video Solution](#)

4. Joint Forest Management Concept was introduced in India during

A. 1970s

B. 1980s

C. 1990s

D. 1960s

Answer: B



[Watch Video Solution](#)

5. A river with an inflow of domestic sewage rich in organic waste may result in

- A. increased population of aquatic food web organisms
- B. an increased production of fish due to biodegradable nutrients
- C. death of fish due to lack of oxygen
- D. drying of the river very soon due to algal bloom'

Answer: C



[Watch Video Solution](#)

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

- A. Ozone
- B. Ammonia

C. Methane

D. Nitrous oxide

Answer: A



[Watch Video Solution](#)

7. Identify the wrong statements with reference to UV rays

A. UV radiation is classified into 3 categories

B. UV radiation kills microorganisms

C. UV-A is more harmful to animals than UV-B

D. UV radiation falls in the range between 100 mm-380 nm
(wavelength)

Answer: D



[Watch Video Solution](#)

8. Which the following are most suitable indicators of SO_2 pollution in the environment ?

A. Lichens

B. Conifers

C. Algae

D. Fungi

Answer: A



[Watch Video Solution](#)

9. The UN Conference of Parties on climate change in the year 2012 was held at:

A. Hurban

B. Doha

C. Lima

D. Warsaw

Answer: B



[Watch Video Solution](#)

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

- A. biomagnification
- B. biodeterioration
- C. biotransformation
- D. biogeochemical cycling

Answer: A



[Watch Video Solution](#)

11. Acid rain is caused by increase in the atmospheric concentration of :

A. SO_2 and NO_2

B. SO_2 and CO

C. CO_2 and CO

D. O_3 and dust

Answer: A



[Watch Video Solution](#)

12. The UN Conference of Parties on climate in the year 2011 was held in:

A. Poland

B. South Africa

C. Peru

D. Qatar

Answer: B



Watch Video Solution

13. Rachel Carson's famous book "Silent Spring" is related to:

- A. pesticide pollution
- B. noise pollution
- C. population explosion
- D. ecosystem management

Answer: A



Watch Video Solution

14. Which of the following is not one of the prime health risks associated with greater UV radiation through the atmosphere due to depletion of stratospheric ozone?

- A. Increased skin cancer
- B. Reduced immune system
- C. Damage to eyes
- D. Increase liver cancer

Answer: D

 [Watch Video Solution](#)

15. Match the following Columns.

Column I

Column II

- | | |
|----------------|--------------|
| A. Mercury | 1. Plumbism |
| B. Lead | 2. Minamata |
| C. Cadmium | 3. Itai-itai |
| D. Hydrocarbon | 4. Cancer |

A. $\begin{matrix} A & B & C & D \\ 2 & 1 & 3 & 4 \end{matrix}$

B. $\begin{matrix} A & B & C & D \\ 1 & 2 & 3 & 4 \end{matrix}$

C. $\begin{matrix} A & B & C & D \\ 2 & 3 & 1 & 4 \end{matrix}$

D. $\begin{matrix} A & B & C & D \\ 2 & 1 & 4 & 3 \end{matrix}$

Answer: A



[Watch Video Solution](#)

16. Anxiety and stress are caused by

- A. water pollution
- B. nuclear pollution
- C. noise pollution
- D. air pollution

Answer: C



[Watch Video Solution](#)

17. 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 very high

D. it has long residual effect

Answer: D



Watch Video Solution

18. Match the following Columns.

Column I

Column II

A. Photochemical smog

1. Itai-itai disease

B. Manganese pollution

3. Black foot disease

C. Manganese pollution

3. Black foot disease

D. Cadmium pollution

4. Burning of petrol and diesel with oxide of nitrogen

A. $A \ B \ C \ D$
4 2 3 1

B. $A \ B \ C \ D$
4 3 2 1

C. $A \ B \ C \ D$
4 3 1 2

D. $A \ B \ C \ D$
4 1 2 3

Answer: B



[View Text Solution](#)

19. Natural insecticide which is obtained from neem is

- A. azadirachtin
- B. nicotine
- C. DDT
- D. Both (a) and (b)

Answer: A



[Watch Video Solution](#)

20. Greenhouse effect is due to the

- A. accumulation of O_3 and 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: A



[Watch Video Solution](#)

21. Examples of secondary air pollutants is/are:

A. smog

B. O_3

C. PAN

D. All of these

Answer: D



[Watch Video Solution](#)

22. The polluting strength sewage is usually characterized by its:

- A. BOD
- B. nitrogen content
- C. ozone content
- D. eutrophication

Answer: A



[Watch Video Solution](#)

23. Match the following Column I with Column II.

Column I

Column II

- | | |
|--------------------|--------------------------|
| A. Pollen grain | 1. Photochemical smog |
| B. PAN | 2. Particulate pollution |
| C. CO ₂ | 3. Global warming |
| D. Cadmium | 4. Itai-itai disease |

A.

<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>
2	1	3	4

B.

<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>
4	2	1	3

C. $\begin{matrix} A & B & C & D \\ 1 & 2 & 3 & 4 \end{matrix}$

D. $\begin{matrix} A & B & C & D \\ 3 & 1 & 2 & 4 \end{matrix}$

Answer: A



[Watch Video Solution](#)

24. Phenomenon involving increase in concentration of non-degradable pollutants from water to higher trophic levels is called:

- A. biomagnification
- B. bioaccumulation
- C. biodergradation
- D. bioinvasion

Answer: A



[Watch Video Solution](#)

25. Which one of the following combination is incorrect?

- A. Rio convention - Air pollution
- B. Kyoto protocol - Climate change
- C. Montreal protocol - Ozone depletion
- D. Ramsar convention - Wetland conservation

Answer: A



Watch Video Solution

26. Match the following Columns.

Column I

Column II

- | | |
|----------------------|---|
| A. Eutrophication | 1. Rise in sea level |
| B. Biomagnification | 2. Water hyacinth |
| C. Terror of Bengal | 3. Increase of quantity of pollutant at successive trophic levels |
| D. Greenhouse effect | 4. Enrichment with nutrients |

A. $\begin{matrix} A & B & C & D \\ 2 & 1 & 3 & 4 \end{matrix}$

B. $\begin{matrix} A & B & C & D \\ 4 & 2 & 1 & 3 \end{matrix}$

C. $A \quad B \quad C \quad D$
1 2 3 4

D. $A \quad B \quad C \quad D$
4 3 2 1

Answer: D



[Watch Video Solution](#)

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

- A. gases like sulphur dioxide
- B. particulate matter of the size 5 micrometer or above
- C. gases like ozone and methane
- D. particulate matter of the size 2.5 micrometer or less

Answer: A



[Watch Video Solution](#)

28. Match the following Column I with Column II.

Column I

Column II

- | | |
|----------------------|--------------|
| A. Zooplankton | 1. 0.003 ppm |
| B. Small fishes | 2. 2 ppm |
| C. Water | 3. 25 ppm |
| D. Fish eating birds | 4. 0.04 ppm |
| E. Big fishes | 5. 0.5 ppm |

A. A B C D E
 2 1 4 5 3

B. A B C D E
 4 5 1 2 3

C. A B C D E
 4 5 3 2 1

D. A B C D E
 4 5 1 3 2

Answer: D



Watch Video Solution

29. The zone of atmosphere in which the ozone layer is present is called:

A. ionosphere

B. mesosphere

C. stratosphere

D. troposphere

Answer: C



[Watch Video Solution](#)

30. A location with luxuriant growth of lichens on the trees indicates that the

A. trees are very healthy

B. trees are heavily infested

C. location is highly polluted

D. location is not polluted

Answer: D



[Watch Video Solution](#)

31. Afforestation is :

- A. restoring a forest
- B. plantation in barren lands
- C. cultivation under agriculture
- D. Jhum cultivation

Answer: B



Watch Video Solution

32. The ozone hole over Antarctica develops each year between:

- A. late December and early February
- B. late February and early April
- C. late April and early June
- D. late August and early October

Answer: D



[Watch Video Solution](#)

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

- A. It is the natural ageing of a 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 phosphorus encourage the growth of aquatic organisms in the lake
- D. Pollutants released by man radically accelerate the ageing process of a lake

Answer: D



[Watch Video Solution](#)

34. With the rise of water temperature, dissolved oxygen:

- A. remains unchanged
- B. increases in amount
- C. decreases in amount
- D. is more available to the aquatic organisms

Answer: C

 [Watch Video Solution](#)

35. 'Kyoto protocol' is a multinational international treaty for:

- A. phasing out green house gases
- B. controlling ozone destroying substances
- C. management of hazardous wastes
- D. conservation of biodiversity

Answer: A

 [Watch Video Solution](#)

36. Main cause of eutrophication is:

- A. fluctuation of temperature
- B. unusual growth of aquatic vegetations
- C. enrichment of nutrients
- D. abundance of microorganisms

Answer: C



Watch Video Solution

37. Carbon dioxide, methane, nitrogen oxide and chlorofluorocarbons are called greenhouse gases because they can absorb:

- A. ultraviolet radiations
- B. visible light radiations
- C. γ - rays radiations

D. long wave infrared radiations

Answer: D



Watch Video Solution

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

- A. Covers the surface of the water that inhibits sunlight to pass through
- B. Drains oxygen from the water that causes oxygen deficiency
- C. Absorbs nutrients from the water that causes malnutrition
- D. Releases carbon dioxide in a huge amount which is lethal to fishes

Answer: B



Watch Video Solution

39. Ozone hole is measured in

- A. Decible
- B. Dobson Units (DU)
- C. Parts Per Million (PPM)
- D. Cubic Centimeter

Answer: B



Watch Video Solution

40. The term biomagnification refers to:

- A. increase in concentration of non-degradable pollutant through a food chain
- B. growth of organisms due to food consumption
- C. decreases in population size
- D. increase in population size

Answer: A



Watch Video Solution

41. Which of the following is true for eutrophicated water body?

- A. High mineral content
- B. High oxygen content
- C. Rich species diversity
- D. Low organic content

Answer: A



Watch Video Solution

42. 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 the oxygen content in the atmosphere

Answer: C



[Watch Video Solution](#)

43. Which of the option shows following example in ascending order in terms of BOD

(i) Distilled water

(ii) Tap water

(iii) Sewage wastes drained in river

A. II, I and III

B. I, II and III

C. III, I and II

D. III, II and I

Answer: B



Watch Video Solution

44. The Air Prevention and Control of Pollution Act came into force in

A. 1981

B. 1985

C. 1990

D. 1975

Answer: A



Watch Video Solution

45. Global warming can be controlled by:

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

Answer: D

 [Watch Video Solution](#)

46. Kyoto Protocol was endorsed at:

- A. CoP-5
- B. CoP-6
- C. CoP-4
- D. CoP-3

Answer: D



[Watch Video Solution](#)

47. Measuring Biochemical Oxygen Demand (BOD) is a method used for

- A. working out the efficiency of oil driven automobile engines
- B. measuring the activity of *Saccharomyces cerevisiae* in producing curd on a commercial scale
- C. working out the efficiency of RBCs about their capacity to carry oxygen
- D. estimating the amount of organic matter in sewage water

Answer: D



[Watch Video Solution](#)

48. Which one of the following is a wrong statement?

- A. Ozone in upper part of atmosphere is harmful to animal

B. Greenhouse effect is a natural phenomenon

C. Eutrophication is a natural phenomenon in freshwater bodies

D. Most of the forests have been lost in tropical areas

Answer: A



[Watch Video Solution](#)

49. High amount of esherichita coli in water is an indicator of

A. hardness of water

B. industrial pollution

C. sewage pollution

D. pollution due to electromagnetic radiations

Answer: C



[Watch Video Solution](#)

50. 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. 0.5 ppm
- B. 5.0 ppm
- C. 15.0 ppm
- D. 25.0 ppm

Answer: D



[Watch Video Solution](#)

51. Eutrophication is a phenomenon that occurs due to

- A. mixing of nutrients to water bodies
- B. high concentration of CO_2 in air
- C. high concentration of Hg in fish
- D. high concentration of NO_3 and SO_2 in rain water

Answer: A



Watch Video Solution

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

- A. 1971
- B. 1974
- C. 1981
- D. 1986

Answer: D



Watch Video Solution

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

- A. birds stopped laying eggs
- B. earthworms in the area got eradicated
- C. cobras were feeding exclusively on birds
- D. many of the eggs laid, did not hatch

Answer: D

 [Watch Video Solution](#)

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

- A. water
- B. planktons
- C. small fishes
- D. birds

Answer: D

 [Watch Video Solution](#)

55. Which one of the following pairs of gases are the major cause of "Greenhouse effect" ?

- A. CO_2 and CO
- B. $CFCs$ and SO_2
- C. CO_2 and N_2O
- D. CO_2 and O_3

Answer: C

 [Watch Video Solution](#)

56. Which is wrong about Bhopal tragedy

- A. Thousands of human being died.
- B. Radioactive fall out engulfed Bhopal

C. It took place in the night of December 2/3, 1984

D. Methyl isocyanate gas leakage took place

Answer: B



Watch Video Solution

57. Eutrophication of often seen in:

A. freshwater lakes

B. ocean

C. mountains

D. deserts

Answer: A



Watch Video Solution

58. At present, the concentration of CO_2 in the atmosphere is about:

A. 100 ppm

B. 240 ppm

C. 380 ppm

D. 520 ppm

Answer: C



Watch Video Solution

59. The main cause of pollution in metrocities is

A. burning of fossil fuels

B. water plants

C. domestic products

D. None of the above

Answer: A



Watch Video Solution

60. Minamata disease first occurred in

- A. Japan
- B. Australia
- C. India
- D. China

Answer: A



Watch Video Solution

61. Which one of the following is mainly responsible for greenhouses effect?

A. SO_2

B. CO_2

C. CO

D. O_2

Answer: B



Watch Video Solution

62. Match column I with column II and select the correct option from the given codes

Column I

Column II

A. Electrostatic precipitator

(i) Removes gases like SO_2

B. Scrubber

(ii) Reduces automobile emission

C. Catalytic converter

(iii) Removes oparticulate matter

A. $\begin{matrix} A & B & C \\ 3 & 2 & 1 \end{matrix}$

B. $\begin{matrix} A & B & C \\ 1 & 2 & 3 \end{matrix}$

C. $\begin{matrix} A & B & C \\ 3 & 1 & 2 \end{matrix}$

D. $\begin{matrix} A & B & C \\ 1 & 3 & 2 \end{matrix}$

Answer: C



Watch Video Solution

63. Which one of the following is a correct option with reference to pathogenic bacteria and DDT?

- A. Bacteria can undergo multiplication and DDT is degraded by living cells
- B. Bacteria can be degraded by living cells and DDT cannot be degraded by living cells and DDT cannot be degraded by living cells
- C. Bacteria can undergo biological magnification and DDT can be degraded by living cells
- D. Bacteria can undergo biological magnification and DDT cannot be degraded by living cells

Answer: B



[Watch Video Solution](#)

64. Ultraviolet radiations from sunlight causes a reaction that produces:

- A. fluorides
- B. carbon monoxide
- C. sulphur dioxide
- D. ozone

Answer: D



[Watch Video Solution](#)

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

- A. primary producers

B. tertiary consumers

C. secondary consumers

D. primary consumers

Answer: B



[Watch Video Solution](#)

66. Pollution in big cities can be controlled to a large extent by

A. wide roads and factories away from the city

B. cleanliness drive and proper use of pesticides

C. proper sewage and proper exit of chemical from factories

D. All of the above

Answer: D



[Watch Video Solution](#)

67. 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. CH_4 and CO_2

D. CH_4 and $CFCs$

Answer: B

 [Watch Video Solution](#)

68. According to Central Pollution Control board (CPCB). Which particulate size in diameter (in micrometers) of the air pollutants is responsible for greatest harm to human health?

 [Watch Video Solution](#)

69. 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



[Watch Video Solution](#)

70. Which one of the following in the correct percentage of the two (out of the total of 4) green house gases that contribute to the total global warming?

- A. $CFCs$ 14 % , CH_4 20 %
- B. CO_2 40 % , $CFCs$ 30 %
- C. N_2O 6 % , CO_2 86 %

D. CH_4 20 % N_2O 18 %

Answer: A

 [Watch Video Solution](#)

71. 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. II and III

B. III and IV

C. I and III

D. I and II

Answer: C

 [Watch Video Solution](#)

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

A. reacted with DDT

B. reacted with NH_3

C. reacted with CO_2

D. reacted with H_2O

Answer: D

 [Watch Video Solution](#)

73. Biological oxygen demand (BOD) is a measure of

- A. industrial wastes poured into water bodies
- B. extent to which water is polluted with organic compound
- C. amount of carbon monoxide inseparably combined with haemoglobin
- D. amount of oxygen needed by green plants during night

Answer: B



[Watch Video Solution](#)

74. In almost all Indian metropolitan cities like Delhi, the major atmospheric pollutant(s) is/are

- A. Suspended Particulate Matter (SPM)
- B. oxide of sulphur
- C. carbon dioxide and carbon monoxide

D. oxides of nitrogen

Answer: C



[Watch Video Solution](#)

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

A. ozone, peroxyacetyl nitrate and NO_x

B. smoke, peroxyacetyl nitrate and SO_2

C. hydrocarbons, SO_2 and CO_2

D. hydrocarbons, O_3 and SO_x

Answer: A



[Watch Video Solution](#)

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

- A. excess of arsenic concentratoin in drinking water
- B. excess of nitrates in drinking water
- C. deficiency of iron in food
- D. increased methane content in the atmosphere

Answer: B



[Watch Video Solution](#)

77. 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. Both Assertion and Reason are true, but Reason is the correct explanation of Assertion

B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion

C. Assertion is true, but Reason is false

D. Assertion is false, but Reason is true

Answer: B

 [Watch Video Solution](#)

78. Some effect of sulphur dioxide and its transformation products on plant include:

A. plasmolysis

B. Golgi body destruction

C. protein disintegration

D. chlorophyll destruction

Answer: D

 [Watch Video Solution](#)

79. Which is the main cause for the extinction of some species in tropical forest ?

- A. Deforestation
- B. Afforestation
- C. Pollution
- D. Soil erosion

Answer: A

 [Watch Video Solution](#)

80. Ozone is spread in the swimming pool because:

- A. it acts as a disinfectant
- B. it absorbs UV radiations

C. it is easily available from O_2

D. All of the above

Answer: A



Watch Video Solution

81. Photochemical smog does not contain

A. ozone

B. nitrogen dioxide

C. carbon dioxide

D. PAN

Answer: C



Watch Video Solution

82. Eutrophication is the result of:

- A. bryophytes
- B. algae and aquatic plants
- C. gymnosperms
- D. pteridophytes

Answer: B



Watch Video Solution

83. According to Kyoto protocol the major nations abide to reduce concentration of greenhouse gases by:

- A. 2008
- B. 2010
- C. 2012
- D. 2018

Answer: C



Watch Video Solution

84. Which step is required for better survival of human beings

- A. Reduction in the use of various resources
- B. Afforestation
- C. Conservation of wildlife
- D. Ban on mining activity

Answer: A



Watch Video Solution

85. In acid rain, SO_2 accounts for :

- A. 70 %

B. 100 %

C. 50 %

D. 30 %

Answer: A



Watch Video Solution

86. Rain is called acid rain, when its pH is below

A. 7

B. 6.5

C. 6

D. 5.6

Answer: D



Watch Video Solution

87. Bhopal gas tragedy was caused by

- A. pollution
- B. population explosion
- C. MIC
- D. coal fire

Answer: C



Watch Video Solution

88. Pollution caused by persistent pesticides is relatively more dangerous to which type of organisms?

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

Answer: D



Watch Video Solution

89. Which of the following are the indicators of pollution ?

- A. Lichen
- B. Fungi
- C. Algae
- D. None of these

Answer: A



Watch Video Solution

90. Common indicator organism of water pollution is

- A. Lemna paucicostata

B. *Eichhornia crassipes*

C. *Escherichia coli*

D. *Entamoeba histolytica*

Answer: C



Watch Video Solution

91. Lead concentration of blood is considered alarming at

A. $20\mu \frac{g}{100} mL$

B. $30\mu g / 100mL$

C. $4 - 6\mu g / 100mL$

D. $10\mu g / 100mL$

Answer: B



Watch Video Solution

92. Acid rain is caused by

I. sulphur dioxide

II. Hydrogen chloride

III. Nitrogen oxides

IV. Phosphates

Choose the correct answer.

A. I, II and III

B. I and II

C. II and IV

D. I and III

Answer: D



Watch Video Solution

93. Ozone depletion in stratosphere would result in

- A. forest fires
- B. glaciation
- C. skin cancer incidence
- D. None of these

Answer: C

 [Watch Video Solution](#)

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

- A. drying of the lake very soon due to algal bloom
- B. an increased production of fish due to lots of nutrients
- C. death of fish due to lack of oxygen
- D. increased population of aquatic food web organisms

Answer: C

 [Watch Video Solution](#)

95. In which one of the following the BOD (Biochemical Oxygen Demand) of sewage (S), distillery effluent (DE), paper mill effluent (PE) and sugar mill effluent (SE) have been arranged in ascending order ?

- A. SE It S It PE It DE
- B. SE It PE It S It DE
- C. PE It S It SE It DE
- D. S It DE It PE It SE

Answer: D

 [Watch Video Solution](#)

96. In a coal-fired power plant, electrostatic precipitators are installed to control the emission of

A. SO_2

B. NO_x

C. SPM

D. CO

Answer: C



Watch Video Solution

97. Which one of the following is no bioindicator of water pollution?

A. Sludge worms

B. Blood worms

C. Stone flies

D. Sewage fungus

Answer: C



Watch Video Solution

