



## BIOLOGY

### BOOKS - NTA MOCK TESTS

#### NTA NEET SET 95

#### Biology

1. Which of the following groups of organisms are included under chrysophytes?

- A. Diatoms and desmids ( golden algae )
- B. Diatoms and dinoflagellates
- C. Euglenoids
- D. Slime moulds

**Answer: A**



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2. Pollination between flowers borne on two different plants of the same species refers to:

- A. Geitonogamy
- B. Xenogamy
- C. Cleistogamy
- D. Herkogamy

**Answer: B**



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3. The inheritance of flower colour in *Antirrhinum* (dog flower) is an example of



A. incomplete dominance

B. co-dominance

C. multiple alleles

D. Linkage

**Answer: A**

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4. Which of the following characteristics is correct for epithelial tissues ?

A. The cells are compactly package with fluid intercellular matrix

B. The cells are loosely package with abundant intercellular matrix

C. The cells are compactly packed with little or no intercellular matrix

D. The cells are loosely packed with little intercellular matrix

**Answer: C**

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5. In spermatogenesis, reduction division of chromosome occurs during conversion of

- A. primary spermatocytes to secondary spermatocytes
- B. spermatogonia to primary spermatocytes
- C. spermatids to sperms
- D. secondary spermatocytes to spermatids

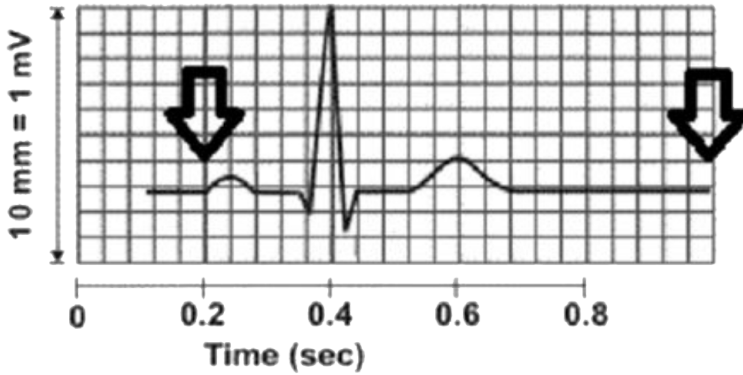
**Answer: A**



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6. The following diagram is what a nurse saw on a patient's ECG trace, which measures the electrical impulse passed by the heart in one heartbeat. The first arrow on the left signifies the beginning of the beat and the second arrow on the right signifies the end of the beat.yo

How many beats per minute did the nurse find in this patient?



- A. 100
- B. 75
- C. 60
- D. 54

**Answer: B**

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7. Haemozoin is a toxic substance released upon which of the following events?

- A. Rupture of liver cells
- B. Rupture of cells of gut epithelium
- C. Rupture of RBCs
- D. Rupture of cells of salivary glands

**Answer: C**

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**8. Which is not correctly matched?**

- A. Annelida → Enterocoelomate
- B. Platyhelminthes → Acoelomate
- C. Arthropoda → Schizocoelomate
- D. Nematelminthes → pseudocoelmate

**Answer: A**

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9. Select the answer with correct matching of the structure, its location and function

	Structure	Location	Function
(a)	Eustachian tube	Anterior part of internal ear	Equalizes air pressure on either sides of tympanic membrane
(b)	Cerebellum	Mid brain	Controls respiration and gastric secretions
(c)	Hypothalamus	Fore brain	Controls body temperature, urge for eating and drinking
(d)	Blind spot	Near the place where optic nerve leaves the eye	Rods and cones are present but inactive here

Structure	Location	Function
Eustachian tube	The anterior part of the internal ear	Equalizes air pressure on either side of the tympanic membrane

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Structure	Location	Function
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Structure	Location	Function
Hypothalamus	Forebrain	Controls body temperature, urge for eating and drinking

C.

Structure	Location	Function
Blindspot	Near the place where the optic nerve leaves the eye	Rods and cones are present but inactive here

D.

**Answer: C**

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**10.** Addition of iodine in the diet is necessary for treating

- A. to treat hyperthyroidism.
- B. to treat hypothyroidism.
- C. to regulate the 24-hour (diurnal) rhythm of our body.
- D. to reduce the loss of water through urine (diuresis).

**Answer: B**

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11. There are more than .... species of ants, 3,00 ,000 species of ....., 28,000 species of .....and nearly .....species of orchids.

- A. 20,000 , insects , fishes , 30,000
- B. 30,000, beetles, birds , 20,000
- C. 20,000, beetles, fishes , 20, 000
- D. 40,000 , fishes , beetles , 10,000

**Answer: C**



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12. Copper releasing IUD is

- A. Diaphragm
- B. Vault
- C. LNG-20
- D. Multiload 375

**Answer: D**



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**13.** Find the **WRONG** match.

A. Inheritance of acquired characters - Lamarck

B. Natural select - Darwin

C. Biogenetic law - Ernst Haeckel

D. Saltation - Thomas R Malthus

**Answer: D**



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**14.** The traditional inclusion and multiplication of genes along with the desired genes involves

- A. the hybridization procedures in plant and animal breeding.
- B. the hybridization procedures applied only in bacteria.
- C. the hybridization procedures only in plant breeding.
- D. the hybridization procedures in animal breeding.

**Answer: A**

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**15.** Which of the following statements about the process of digestion is correct ?

- I. Carbohydrates in the chyme are hydrolyzed by pancreatic amylase into monosaccharides directly .
- II. Nucleases in the intestinal juice act on nucleic acids to form nucleotides and nucleosides .

- A. Both I and II are correct
- B. Both I and II are wrong

C. I is correct and II is wrong

D. II is correct and I is wrong

**Answer: B**



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**16.** Which of the following statements about the glomerular filtration is CORRECT ?

I. The hydrostatic pressure of blood in glomerular capillaries allows filtration.

II. The diameter of the efferent arteriole is lesser than the diameter of the afferent arteriole.

III. The fluid collected in the urinary space contains all constitution of blood except RBCs.

IV. The net filtration pressure at the glomerulus is around 40 mm Hg.

A. I and III

B. II and IV

C. I and II

D. III and IV

**Answer: C**



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17. It is said that elemental composition of living organisms and that of inanimate objects (like earth's crust ) are similar in the sense that all the major elements are present in both. Then what would be the difference between these two groups ?

Choose a correct answer from the following.

- A. Living organisms have more gold in them than inanimate objects
- B. Living organisms have more water in their body than inanimate objects
- C. Living organisms have more calcium in them than inanimate objects

D. Living organisms have more carbon, oxygen and hydrogen per unit mass than inanimate objects.

**Answer: D**



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18. Mark the correct options stating the locations of the following centers

A.

Pneumotaxic centre	Apneustic centre	Dorsal respiratory group
Pons	Pons	Medulla

B.

Pneumotaxic centre	Apneustic centre	Dorsal respiratory group
Pons	Medulla	Pons

C.

Pneumotaxic centre	Apneustic centre	Dorsal respiratory group
Medulla	Medulla	Pons

D.

Pneumotaxic centre  
Pons

Apneustic centre  
Pons

Dorsal respiratory group  
Pons

**Answer: A**



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19. Ozone day is

A. January , 30

B. September , 16

C. April, 21

D. December 25

**Answer: B**



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20. Asexual reproduction is related to

- A. amphimixis
- B. budding
- C. vegetative propagation
- D. Both (b) and (c)

**Answer: D**



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21. Opening or blooming of the flower is known as

- A. anthesis
- B. maturation of embryo
- C. Pollination
- D. dehiscence of anther lobes



**Answer: A**



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**22.** In Mendelian dihybrid cross, when heterozygous Round Yellow are self crossed, Round Green offsprings are represented by the genotype

A.  $RrYy, RrYY, RRYy$

B.  $Rryy, RRYy, rryy$

C.  $rrYy, rrYY$

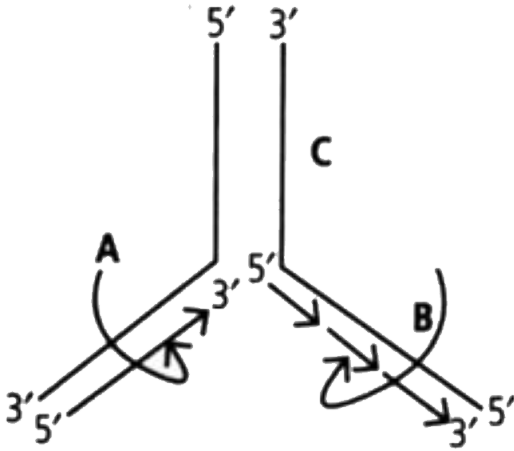
D.  $Rryy, Rryy$

**Answer: D**



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23. Identify A, B and C strands .



A. A- Discontinuous strand , B - Continuous strand, C- Template strand

B. A - Leading strand, B - Lagging strand, C - parental strand

C. A - Template strand, B-3' -5' strand, C - parental strand

D. All of these

**Answer: B**



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24. Pollen grains of a plant whose  $2n = 8$  are cultured to get callus by tissue culture method. What would be the number of chromosomes in the cells of the callus ?

A. 56

B. 28

C. 21

D. 14

**Answer: D**



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25. Which of the following is not used as a biopesticide

A. Nuclear polyhedrosis virus (NPV)

B. Xanthomonas

C. Bacillus thuringiensis

D. *Nosema locustae*

**Answer: B**



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**26.** Amensalism is an association between two species where

- A. one species is harmed and other is benefitted
- B. one species is harmed and other is unaffected
- C. one species is benefitted and other is unaffected
- D. both the species are harmed

**Answer: B**



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**27.** Select the CORRECT statement.

- A. Carbon cycle is imperfect cycle while phosphorus cycle is perfect cycle.
- B. Ten percent law was proposed by Odom in 1942.
- C. Grazing food chain helps in releasing inorganic nutrients to the cycling pool .
- D. Seral community is a transitional community which develops in an are during succession.

**Answer: D**

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**28.** Tropical rain forests once covering more than ....a.... Per cent of the Earth surface, now covers no more than ....b.... Per cent.

A. a-30, b-19.8

B. a- 8.1, b-2.4

C. a-14, b- 6

D. a-19.8, b- 8.l

**Answer: C**



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**29.** From the given list, how many are unpaired structures of a cockroach

?

Tergites, Labium, Hypopharynx , Tegmina, Genital pouch, Labrum ,

Mandible

A. Six

B. Seven

C. Five

D. Four

**Answer: C**



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30. Release of second polar body from human egg occurs

- A. after the entry of sperm
- B. after Fertilization
- C. before sperm entry
- D. with no relation to sperm entry

**Answer: A**



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31. Which of the following types of antibodies are produced in a person who is hypersensitive to peanuts ?

- A. IgA
- B. IgE

C. IgD

D. IgM

**Answer: B**



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**32.** Which one of the following is a matching pair of a body feature and the animal possessing it ?

A. Pharyngeal gill slits absent during embryonic development -

Chameleon

B. Ventral heart - Scorpion

C. Post-anal tail - Octopus

D. Ventral central nervous system - Leech

**Answer: D**



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**33.** Choose the correct Statement about the transmission of impulses.

- A. At electrical synapses , the membranes of pre-and-synaptic neurons , are situated for form each other .
- B. The synaptic vesicles fuse with the plasma membrane and release their neurons are situated far from each other .
- C. The released neurotransmitters bind to their specific receptors, present on the pre-synaptic membrane.
- D. Impulse transmission across a chemical synapse is always faster than that across an electrical synapse.

**Answer: B**



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34. The adrenal cortical hormone that reduces inflammation and suppresses the immune response is

- A. Cortisol
- B. Deoxycorticosterone
- C. Corticosterone
- D. Aldosterone

**Answer: A**



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35. Find the correct order of arrangement of ear ossicles from the side of tympanum towards the oval window.

- A. Incus → stapes → Malleus
- B. stapes → Incus → Malleus
- C. Malleus → Incus → stapes

D. Malleus → Stapes → Incus

**Answer: C**



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**36.** Which of the following STDs cannot be treated with antibiotics ?

A. Gonorrhoea B. Syphilis

C. Chlamydia D. Genital herpes

A. (iv) only

B. (ii) and (iv)

C. (iii) and (iv)

D. (iii) only

**Answer: A**



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37. At a particular locus, frequency of 'A' allele is 0.6 and that of 'a' is 0.4. what would be the frequency of heterozygotes in a randomly mating population of equilibrium ?

A. 0.16

B. 0.36

C. 0.48

D. 0.24

**Answer: C**



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38. The restriction endonuclease of a cell does not cleave its own DNA because of

A. the difference in recognition sequences .

B. methylation of A or C at the recognition site.

C. the property that restriction endonuclease leave the DN of teh cells.

D. of the cell's ability to identify its own restriction endonuclease

**Answer: B**



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**39. Which one of the following statements is INCORRECT ?**

A. Birds and land snails are uricotelic animals.

B. Mammals and frogs are ureotelic animals

C. Aquatic amphibians and crustaceans are ammonotelic animals.

D. Birds and reptiles are ureotelic .

**Answer: D**



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**40.** Which Statements about Carbohydrates are CORRECT ?

I. Inulin is a polymer of sucrose .

II. Glucose is a respiratory substrate and is also called fruit sugar .

III. Starch forms helical secondary structures in which it can hold  $I_2$  molecules.

IV. The variant of cellulose in animals is glycogen .

A. I and II

B. III and IV

C. I, II and II

D. I and IV

**Answer: B**



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**41.** Gas exchange at the respiratory membrane is efficient because

I. the difference in partial pressure are substantial .

II. the gases are lipid-soluble.

III. blood flow is very rapid.

IV. the distance is minimized by having only one cell layer.

V. the total surface area is large .

A. II and III

B. I , IV ,and V

C. I, II and V

D. I , III, IV and V

**Answer: C**



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**42.** At rest , a well - trained athlete will have a heart rate .. a normal person

A. higher than

B. lower than

C. same as

D. incomparable to

**Answer: B**



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**43.** Auxin inhibits the growth of

A. apical buds

B. lateral axillary buds

C. roots on stem cutting

D. Parthenocarpic development of fruits

**Answer: B**



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**44.** Systematic involves

- A. identification of organisms
- B. relationships and classification of organisms
- C. relationships and classification of organisms
- D. All of the above

**Answer: D**



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**45.** The kingdom Protista forms a link with kingdom

- A. Plantae
- B. Fungi
- C. Animalia
- D. all of these

**Answer: D**



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**46.** Read the following statement and find out the incorrect statement.

- A. The altered understanding that fungi and members of the monera and protista having cell walls have now been excluded from plantae.
- B. Cyanobacteria that are also referred to as blue green algae are not 'algae' any more
- C. Numerical taxonomy is based on chromosome number structure and behaviour.
- D. Chemotaxonomy that uses the chemical constituents of the plant to resolve confusion, are also used by taxonomies these days.

**Answer: C**



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47. Choose the incorrect match:

- A. Tenoplast-starch
- B. Aleuroplast-proteins
- C. Elaioplast-oils
- D. Chromoplast-xanthophyll

**Answer: A**



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48. Which statement is incorrect for post mitotic gap phase of interphase?

- A. In this phase, cell is metabolically activerly and grows continuously.
- B. It involves replication of RNA,DNA and proteins.
- C. Cell organelles increase in number

D. The cell has an option to stop cell cycle and undergo differentiation.

**Answer: B**



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**49.** Drapes develop from

- A. monocarpellary superior ovaries
- B. monocarpellary inferior ovaries
- C. bicarpellary superior ovaries
- D. bicarpellary inferior ovaries

**Answer: A**



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50. Vascular cambium and cork cambium are the examples of

- A. Apical meristem
- B. Lateral meristem
- C. Intercalary meristem
- D. Promeristem

**Answer: B**



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51. What will be zero in a fully turgid cell ?

- A. TP
- B. WP
- C. DPD
- D. OP

**Answer: C**



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**52.** Identify the free-living anaerobic nitrogen-fixing bacteria .

- A. Azotobacter
- B. Beijerinckia
- C. Nostoc
- D. Rhodospirillum

**Answer: D**



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**53.** During photosynthesis , light saturation is observed at ... of full sunlight .

A. 2 %

B. 5 %

C. 10 %

D. 15 %

**Answer: C**



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**54.** In ETS, the last electron acceptor is

A. cytochrome -  $\alpha$

B. ATP

C. oxygen

D. water

**Answer: C**



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55. If aleurone layer contains 12 chromosomes, the ovary wall will contain:

- A. 12
- B. 18
- C. 25
- D. 8

**Answer: D**



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56. Which of the following is mismatched pair of disease and its related symptom ?

- |    | Disease                | Symptom                              |
|----|------------------------|--------------------------------------|
| A. | Phenylketonuria        | Urine turns black on exposure to air |
| B. | Down's syndrome        | Physical and mental retardation      |
| C. | Klinefelter's syndrome | Sterile males                        |



	Disease	Symptom
D.	Turner's syndrome	Sterile females

**Answer: A**

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**57.** The basis of DNA fingerprinting is :

- A. occurrence of polymorphism.
- B. phenotypic difference between individuals.
- C. availability of cloned DNA.
- D. aminoacyl tRNA binding to active ribosomal site.

**Answer: A**

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**58.** What gases are produced in anaerobic sludge digesters

A. Hydrogen sulphide and  $CO_2$

B. Methane and  $CO_2$  only

C. Methane , Hydrogen sulphide and  $CO_2$

D. Methane , Hydrogen sulphide and  $O_2$

**Answer: C**



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**59.** The change in population size at a given time interval  $t$  , is given by the expression

$$N_t = N_0 + B + I - D - E$$

$I$  ,  $B$  and  $D$  stand respectively for

A. rate of immigration , mortality rate , natality rate

B. rate of immigration, natality rate, mortality rate

C. rate of emigration, natality rate , mortality rate

D. mortality rate , natality rate ,rate of Immigration,

**Answer: B**



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**60.** Which of the following occur at the same trophic level ?

- A. Deer and Bee
- B. Cow and Crow
- C. Earthworm and Frog
- D. Snake and Vulture

**Answer: A**



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**61.** In a comparative analogy between the aeroplane and ecosystem (the rivet popper hypothesis) used by Paul Ehrlich, find out the correct

matching .

Column I	Column II
a. Rivets	1. Ecosystem
b. Aeroplane	2. Species
c. Popping a rivet	3. Key species
d. Rivets on the wings	4. Proper functioning of ecosystem
e. Flight safety	5. A species to become extinct

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

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

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

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

**Answer: D**



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62. What proportion of the offsprings obtained from cross  $AABBCC \times AaBbCc$  will be completely heterozygous for all the genes segregated independently ?

A.  $1/8$

B.  $1/4$

C.  $1/2$

D.  $1/16$

**Answer: A**



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63. Which of the following statement is not incorrect ?

A. In the 1990s, Delhi ranked fourth among the 40 most polluted cities of the world.

B. All the buses of Delhi were converted to run on CNG by the end of 2000.

C. Euro III norms , for example , stipulate that sulphur be controlled at 350 parts-per- million (ppm) in diesel and 150 ppm in petrol.

D. Mass Emission Standards (Bharat Stage II which is equivalent to Euro - II norms) are applicable in all cities of India.

**Answer: C**



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**64.** The difference between lectin and lecithin is :

A. Lectin is a secondary metabolite while lecithin is a phospholipid.

B. Lectin is a fat binding protein while lecithin is a phospholipid.

C. Lectin is a phospholipid with choline while lecithin is a carbohydrate - binding protein.

D. Lectin is a phospholipid while lecithin is a secondary metabolite.

**Answer: A**



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**65.** Which of the following is correct about the blastocyst ?

- A. Penetrates endometrium from its embryonic pole.
- B. Consists of outer trophoblast and inner embryoblast.
- C. Gets implanted along with zona pellucida.
- D. Has a cavity called amniotic cavity

**Answer: B**



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**66.** Interferon can be used in the treatment of :

- A. Ascariasis
- B. Cancer
- C. Filariasis
- D. More than one option is correct

**Answer: B**

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**67.** In a diabetic patient , glucose appears in the urine. Which of the following statements is the best explanation for this phenomenon ?

- A. Low plasma levels of glucose causes glucose to be secreted by the proximal tubule.
- B. The kidney is a significant site for glucose synthesis , which causes glucose to occasionally appear in the urine.



C. The high concentration of glucose saturates the reabsorption pumps, causing glucose to appear in the urine.

D. The vasa recta transport glucose into the urine.

**Answer: C**



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**68.** Find the CORRECT chronological order of appearance of angiosperms

(i) Chloropyte ancestors

(ii) Tracheophyte ancestors

(iii) Psilophyton

(iv) Rhynia type plants

(v) Seed ferns

(vi) Progymnosperms

A. i, ii, iii, iv, v, vi

B. i, ii, iv, iii, v, vi

C. i, ii, iv, iii, vi, v

D. i, ii, iii, iv, vi, v

**Answer: C**



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**69.** In electrophoresis , the DNA sample is loaded in the gel

A. away from the wells.

B. towards the positive electrode .

C. towards the negative electrode.

D. Both (A) and (C)

**Answer: C**



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70. Which one of the following is an INCORRECT pair ?

- A. Louis Pasteur- Coined the term 'virus'
- B. Beijerinck - contagium vivum fluidum
- C. Invanowsky - Studied mosaic diseases of tobacco.
- D. Stanley - Crystallised TMV

**Answer: A**



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71. Match the columns I and II , and choose the CORRECT combination from the options given.

Column I	Column II
(a) Selaginella	(i) Psilopsida
(b) Equisetum	(ii) Lycopsidea
(c) Adiantum	(iii) Sphenopsia
(d) Dryopteris	(iv) Pteropsida

A. *i – a, ii – b, iii – c, iv – d*

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

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

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

**Answer: D**



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**72.** Select the correct pairing.

A. Amylplast - Photosynthesis

B. Centrosome - Enzymes of digestion

C. Lysosomes - Synthesis of amino acid

D. ER - Formation of new nuclear membrane

**Answer: D**



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73. Which of the following is correct about phases of the cell cycle ?

- A. In  $G_1$  - phase , DNA content is double the amount of DNA present in the original cell.
- B. DNA replication takes place in S - phase.
- C. A short interphase is followed by a long mitotic phase.
- D.  $G_2$  - phase follows mitotic phase.

**Answer: B**



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74. Twisted aestivation and axile placentation are found in:

- A. China rose
- B. Dianthus
- C. Sunflower

D. Mustard

**Answer: A**

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**75.** Which of the following statement is INCORRECT ?

- A. In the dicot root, the vascular cambium is completely secondary in origin.
- B. Wood is the common name used for secondary xylem.
- C. A mature sieve tube element lacks peripheral cytoplasm , a large vacuole and a prominent nucleus.
- D. Lenticels are the aerating pores present in the bark of plants and are associated with gaseous exchange.

**Answer: C**

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76. A process that makes important difference between  $C_3$  and  $C_4$  plants is

- A. Transpiration
- B. Glycolysis
- C. Photosynthesis
- D. Photorespiration

**Answer: D**



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77. Consider the following statements with respect to respiration.

- (i) Glycolysis occurs in the cytoplasm of the cell.
- (ii) Aerobic respiration takes place within the mitochondria.
- (iii) Electron transport system is present in the outer mitochondrial membrane.

(iv)  $C_{51}H_{98}O_6$  is the chemical formula of tripalmitin, a fatty acid.

(v) Respiratory quotient =  $\frac{\text{Volume of } O_2 \text{ evolved}}{\text{Volume of } CO_2 \text{ consumed}}$  of the above statements

A. (i) , (ii) and (iv) are correct

B. (ii) , (iii) and (iv) are correct

C. (iii) , (iv) and (v) are correct

D. (ii) , (iv) and (v) are correct

**Answer: A**



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**78.** Fill in the blanks:

(1) Wheat, barley and rye have two kinds of varieties: winter and spring varieties. The 'spring' variety are normally planted in ....a.... and come to flower and produce grain before the end of growing season.

(2) 'Winter varieties, however if planted in ..b... would normally fail to flower or produce mature grain within a span of flowering season.



(3) hence 'winter' varieties are planted in ..c.... . They germinate, and over .....d come out as harvested usually around mid-summer.

- A. a-spring , b - winter , c - spring , d- winter , e - spring
- B. a - winter , b - spring , c- winter , d- spring , e - winter
- C. a - spring , b- spring , c- autumn , d- winter , e- spring
- D. a -spring , b- winter , e- autumn , d - spring , e- winter

**Answer: C**



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**79.** Which one of the following is a CORRECT statement ?

- A. 'Bt' in "Bt- cotton" indicates that it is a genetically modified organism produced through biotechnology.
- B. Somatic hybridization involves the fusion of two complete plant cells carrying desired genes.

C. RNAi takes place in all eukaryotic organisms as a method of cellular defense.

D. Golden rice is vitamin C enriched rice.

**Answer: C**

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**80.** Most resistant stage in the life cycle of angiosperms is its:

A. Embryo stage

B. Seed stage

C. Flowering stage

D. Fruiting stage

**Answer: B**

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81. A marriage between a colourblind man and a normal woman produces

- A. all carrier daughter and normal sons
- B. 50% carrier daughters , 50% normal daughters
- C. 50% colourblind sons, 50% normal sons
- D. all carrier offsprings

**Answer: A**



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82. Transcription refers to:

- A. Transfer of genetic information of RNA in the form of genetic codon of DNA
- B. Transfer of genetic information of DNA in the form of genetic codon of DNA

C. Transfer of genetic information of RNA in the form of genetic codon of mRNA

D. Transfer of genetic information of DNA in the form of genetic codon of rRNA

**Answer: A**

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**83.** Small fish get stuck near the bottom of a shark and derives its nutrition from it. This kind of association is called as :

A. Mutualism

B. Commensalism

C. Predation

D. Parasitism

**Answer: B**

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**84.** Sacred groves are specially useful in

- A. Preventing soil erosion
- B. Year- round flow of water in rivers
- C. Generating environmental awareness
- D. Conserving rare and threatened species

**Answer: D**

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85. Match the columns

	Column I		Column II
(A)	GEAC	( i )	Eli Lilly
(B)	PCR	( ii )	Herbert Boyer
(C)	Insulin	( iii )	In-vitro DNA synthesis
(D)	Antibiotic resistance gene	( iv )	Validity of GM research

A. (A) – (iv), (B) – (iii), (C) – (i), (D) – (ii)

B. (A) – (iv), (B) – (iii), (C) – (ii), (D) – (i)

C. (A) – (iii), (B) – (iv), (C) – (i), (D) – (ii)

D. (A) – (iii), (B) – (iv), (C) – (ii), (D) – (i)

**Answer: A**



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**86.** Read the given statements that describe certain infectious particle.

- (i) It was discovered T.O. Diener and was found to be smaller than viruses.
- (ii) It causes potato spindle tuber disease.
- (iii) It is a free RNA particle which lacks the protein coat.
- (iv) It has low molecular weight RNA as genetic material.

Which of the following is referred to here?

A. Virion

B. Viroid

C. Prion

D. Bacteriophage

**Answer: B**



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**87.** Mosomes helps in all the the following processes except.

A. Cell wall formation.

B. Synthesis and secretion of carbohydrates

C. DNA replication

D. Respiration

**Answer: B**

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**88.** In some plants like....., roots arise from parts of the plant other than the part developed through radical.

A. banyan

B. maize

C. sweet potato

D. all of these

**Answer: D**



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89. Which one of the following is a true fruit ?

- A. Apple
- B. Strawberry
- C. Cashew nut
- D. None of these

**Answer: D**

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90. \_\_\_\_\_ pairs of contrasting traits were studied by Mendel in pea plant

- A. 6
- B. 7

C. 8

D. 10

**Answer: B**



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