

SECOND REVISION TEST - 2023

CLASS : 11

MARKS : 70

TIME : 3 HOURS

BIOLOGY

Note : Candidate should answer PART - I (Bio-Botany) and PART - II (Bio-Zoology) in separate answer sheets.

PART - I BIO - BOTANY (1.30 Hrs - 35 Marks)

8 x 1 = 8

I. Answer all the questions

1. is a circular molecule of SS RNA
a. vision b. viroid c. virusoids d. prions
2. is called Raceme of cyme
a. Thyrus b. Coenanthium c. hypanthodium d. verticillaster
3. Geocarpic fruit found in
a. Brassicaceae b. Fabaceae c. Asteraceae d. Solanaceae
4. Formation of New Chemical bonds using ATP as a source of energy is
a. isomerase b. Lyase c. Ligase d. Hydrolase
5. Which chlorophyll molecule doesnot have a phytol tail
a. Chl-a b. Chl-b c. Chl-c d. Chl - d
6. oxysomes are seen in
a. Endoplasmic reticulum b. Golgi body c. Mito chondria d. chloroplast
7. The type of stele in Maize stem is
a. Solenostele b. Plectostele c. Atactostele d. Dictyostele
8. Example for Day neutral plant
a. Barely b. Pea c. Cotton d. Rice

II. Answer any four from the following.

4 x 2 = 8

9. What is Amber? Give an example.
10. What is whorled type of phyllotaxy. Give an example.
11. Draw neat labelled diagram of types of chromosomes based on centromere.
12. What is Guttation?
13. Define - Partial root parasite?
14. Write the floral formulae of Datura metel.

III. Answer any three from the following. Q.No. 19 is compulsory.

3 x 3 = 9

15. What is transduction? Write it's types.
16. Explain and draw neat labelled diagram of Cyathium inflorescence.
17. Describe the functions of cell wall.
18. Write the reasons for the cell division arrested in G₁ Phase.
19. Write the complete reactions of phtosynthesis.

IV. Answer all questions.

2 x 5 = 10

20. a) Define : 1. Archaeobacteria, 2. Cyanobacteria, 3. Mycoplasma,
4. Actinomycetes, 5. Mycorrhizae (OR)
b) Tabulate the Natural system of classification.
21. a) Define : 1. Early wood, 2. False - Annual rings, 3. Tyloses, 4. Duramen, 5. Periderm
(OR)
b) Describe the Arc auxanometer for the measurement of plant growth.

BIO - ZOOLOGY (1.30 Hrs - 35 Marks)**8 x 1 = 8****I. Answer all the questions**

- Which one of portugese man of war a. Adamsia b. Physalic c. Penntula d. meandrina
- Which one is incorrectly matched?
 - Pepsin - stomach
 - Rennin - liver
 - Trypsin - intestine
 - Ptyalin - mouth
- Make the correct pairs

P) Total volume	-	i) 1000ml to 1100 ml
Q) Residual volume	-	ii) 500 ml
R) Expiratory reserve volume	-	iii) 2500 to 3000 ml
S) Inspiratory reserve volume	-	iv) 1100 to 1200 ml

 - P - (ii) Q - (iv) R - (i) S - (iii)
 - P - (iii) Q - (ii) R - (iv) S - (i)
 - P - (ii) Q - (iv) R - (iii) S - (i)
 - P - (iii) Q - (iv) R - (i) S - (ii)
- Which one of the following plasma protein is involved in the coagulation of blood?
 - Globulin
 - Fibrinogen
 - Albumin
 - Serum Amylase
- The hormone which helps in the reabsorption of water in kidney tubules is
 - Cholecystokinin
 - Angiotensin II
 - Antiduretic hormone
 - Pancreozymin
- The pigment present in the muscle fibre to store oxygen is
 - myoglobin
 - troponin
 - myosin
 - actin
- Which part of the human brain is concerned with the regulation of body temperature
 - cerebollum
 - cerebrum
 - medulla oblongata
 - Hypothalamus
- Which of the following gland is related with immunity?
 - pineal gland
 - Adrenal gland
 - Thymus
 - Parathyoid gland

4 x 2 = 8**II. Answer any four questions :-**

- Differentiate between probiotic and pathogenic bacteria.
- Some epitelia are pseudostratified? What does this mean?
- What is the reason name of Phylum Cnidaria?
- Define : GERD
- Define : Cardio pulmonary Resuscitation.
- Write the composition of pearl.

III. Answer any three questions. Q.No. 16 is compulsory :-**3 x 3 = 9**

- Draw the Diagram L.S. of Kidney
- Write any 3 points of mammalia.
- The cornea is the only tissue in the body that can be tranplanted from one person to another person with no possibility of rejection. Why?
- Write the function of [CCK] cholecys to kinin.

2 x 5 = 10**IV. Answer all the questions**

- Write the comparison of chordates and non-chordates (OR)
 - Write the events in inspiration and expiration.
- Write the essay orgin and conduction of Heart beat (OR)
 - Write schematic presentation of muscle contraction.