

DELHI PUBLIC SCHOOL, JAMMU
ASSIGNMENT FOR HALF YEARLY EXAMINATION
SESSION (2018–19)

Class: XI

Subject: Biology

Section A

- Q1. Define lichens and species.
- Q2. Which animal phylum shows bioluminescence?
- Q3. What do you mean by metagenesis in animals?
- Q4. What do you mean by phyllotaxy and node?
- Q5. Define phellogen and phellogen.

Section B

- Q6. What do you mean by taxonomic aids? Give one function of herbarium.
- Q7. Differentiate between striated and unstriated muscles.
- Q8. Give location and one function each of ciliated and columnar epithelium.
- Q9. What are polysomes? What is the function of porins in mitochondrial membrane?

Or

Who proposed cell theory? What are the main postulates of cell theory?

- Q10. What are amyloplasts and elaioplasts?
- Q11. Which cell organelle is called scavenger of cell and why?
- Q12. Why meiosis is called reductional division? List two important significances of meiosis.

Section C

- Q13. What do you mean by secondary growth? Explain secondary growth in dicot stem.
- Q14. On what basis fungi are classified? Explain different classes of fungi.
- Q15. What do you mean by viroids and viruses? Draw a well labeled diagram of TMV virus.
- Q16. Explain the diplontic life cycle of angiosperms.
- Q17. Name and explain various classes of algae.
- Q18. Which plant division is called amphibians of plant kingdom and why?
b) list some important features of bryophyta.
- Q19. Which part of embryo form root? List six important modifications of root.

Or

What do you mean by monocot and dicot seeds? Draw a well labeled diagram of dicot seed.

- Q20. What do you mean by aestivation in plants? Explain various types of aestivation present in plants.
- Q21. Explain Transverse section of dicot leaf with the help of diagram.
- Q22a). What do you mean by meristems? List some important features of meristems.
b). What are the types of meristems.
- Q23. Explain female reproductive system of cockroach with the help of diagram.
- Q24. What do you mean by homopolysaccharides and heteropolysaccharides? List some important functions of carbohydrates.

Section D

- Q25 a). Draw a flowchart for classification of chordates.
- b). List some adaptations of pisces that help them to live in water.

c). List some adaptations of aves that help them to fly.

Or

What do you mean by bilateral and radial symmetry in animals? List some important features of mollusca and platyhelminthies.

Q26 a). Which cell organelle is called powerhouse of cell and why? Explain its structure with the help of well labeled diagram.

b). Give one function each of Golgi bodies and Smooth endoplasmic reticulum.

Or

What is the composition of plant cell wall? List some important functions of plant cell wall.

Why plasma membrane is called selectively permeable membrane?

Q27. Explain prophase I of meiosis I with the help of diagram.

Or

Why mitosis is called equational division? Explain its various stages with the help of diagram.