

DELHI PUBLIC SCHOOL, JAMMU
ASSIGNMENT
SESSION (2018– 19)

Class: XI

Subject: Biology

Units

- *Diversity of living organisms*
- *Structural organization in plants and animals*
- *Cell structure and function*
- *Plant physiology*
- *Animal physiology*

Section A

Q1. Define systematics.

Or

What do you mean by phylogeny?

Q2. What do you mean by complete and incomplete flower?

Q3. Name the gland which help in child birth.

Q4. Name the bacteria that help in nitrification.

Q5. List any two disorders of bones?

Or

Name various types of human joints.

Section B

Q6. On what basis fungi are classified? Draw a well labeled diagram of bacteria.

Or

Define virus and viroid. Explain the structure of TMV virus.

Q7. Name different classes of algae and give one characteristic feature of each class

Q8. Differentiate between chordates and non chordates.

Q9. Draw a well labeled diagram of T.S. of dicot root.

Or

Explain the internal structure of monocot stem.

Q10. Explain various types of plant tissues.

Q11. Define protein. Differentiate between primary and secondary proteins.

Q12. Explain the structure and function of nucleus.

Section C

Q13. Explain the circulatory system of cockroach with the help of diagram.

Q14. Explain four modifications each of leaf and stem.

Or

What do you mean by placentation. Explain various types of placentation present in plants.

Q15. Define nucleic acid. Explain the chemical structure of DNA and RNA.

Q16 a. Define facilitate diffusion and water potential.

b) Explain various theories for Asent of Sap.

Or

What do you mean by bulk transport? Explain phloem loading and phloem unloading.

Q17. Explain various types of chromosomes based upon the position of centromere.

Q18. List various functions of various types of plant growth promoters.

Q19. Explain the human digestive system with the help of diagram.

Or

Explain various disorders of human digestive system.

Q20. Explain the mechanism of breathing in humans.

Q21. Draw a well labeled diagram of human heart.

Q22. What do you mean by kidney failure how it is cured?

Q23. Explain the structure of neuron with the help of diagram.

Or

Explain various parts of human brain.

Q24: Explain the mechanism for hormonal action in humans.

Section D

Q25 Differentiate between Mitosis and Meiosis

b) Explain various steps of Meiosis with the help of diagrams

Or

Define cell cycle. Explain the significance of mitosis and meiosis.

Q26. Explain the processes of photo phosphorylation in plants.

Or

Comment on the statement without plants no life is possible. Explain various steps of photosynthesis.

Q27. Define respiration. Explain aerobic respiration in detail.

Or

Explain the significance of kreb cycle in detail.