

DELHI PUBLIC SCHOOL, JAMMU

ASSIGNMENT

SESSION (2017– 18)

Class: 11th

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.
Q2. What do you mean by thecodont?
Q3. Name the gland which help in child birth.
Q4. Give the role of ADH in excretion.
Q5. What do you mean by ligaments and tendons?

Section B

- Q6. On what basis fungi are classified? Draw a well labeled diagram of bacteria.
Q7. Name different classes of algae and give one characteristic feature of each class
Q8. Differentiate between striated and unstriated muscles.
Q9. Why cell is called fundamental unit of life. List two functions each of rough endoplasmic reticulum and golgi bodies.

Or

List some important functions of blood and lymph.

Section C

- Q10. List three functions each of ethylene and Auxin.
Q11. Define valvate aestivation. Draw a well labeled diagram of a dicot seed.
Q12. Explain secondary growth in dicot stem.
Q13. Explain the male reproductive system of cockroach with the help of diagram.
Q14. Differentiate between following
a) Xylem and Phloem
b) Tracheids and vessels.
Q15. Explain structure and function of cell wall
Q16 a. Define facilitate diffusion and water potential.
b) Explain various theories for Asent of Sap.
Q17. Comment on the statement that respiration is amphibolic process?
Q18. What do you mean biological nitrogen fixation. Explain various steps involved in it.
Q19.a) Name different parts of brain and give one function of each part.

Or

List few disorders each of respiratory and circulatory system.

Q20. List few characteristic features of phylum mollusca and arthropoda of animals.

Section D

Q21. Comment on the statement “Division of labour is seen in eukaryotes but absent in prokaryotes”.

Section E

Q22.a) What do you mean by nucleotide and nucleoside.

b) Draw the structure of glucose, ribose, and glycine.

c) Differentiate between homo polysaccharide and hetero polysaccharide.

Or

Explain various types of RNAs. Differentiate between DNA and RNA

Q23.a) 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.