

DELHI PUBLIC SCHOOL, JAMMU
ASSIGNMENT
SESSION (2016 – 17)

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 herbarium.
Q2. What do you mean by dental formula?
Q3. Name the master gland of human body.
Q4. Give the role of ADH in excretion.
Q5. What do you mean by ligaments and tendons?

Section B

- Q6. On what basis algae are classified? Draw a well labeled diagram of bacteria and cyanobacteria.
Q7. Name different classes of fungi and give one characteristic feature of each class
Q8. Differentiate between locomotion and movement.
Q9. Define cell and tissue. List two functions each of rough endoplasmic reticulum.

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 plants.
Q13. Explain the female reproductive system of cockroach with the help of diagram.
Q14. Differentiate between following
a) Early wood and late wood
b) Tracheids and vessels.
Q15. Explain structure and function of plasma membrane
Q16 a. Define diffusion and water potential.
b) Explain various theories of Ascent of Sap.
Q17. Define respiration why it is known as amphibolic process?
Q18. Define 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 second largest phylum of animals.

Section D

- Q21. Comment on the statement “Division of labour is seen in multicellular organisms but absent in unicellular organisms”.

Section E

Q22.a) What do you mean by amino acid and proteins.

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

c) Differentiate between homo polysaccharide and hetero polysaccharide.

Or

Define Nucleic acids. Explain various types of RNAs.

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.