

ASSIGNMENT

CLASS IX : BIOLOGY

CELL, TISSUE, IMPROVEMENT IN FOOD RESOURCES, NATURAL RESOURCES

- 1 Who discovered cell and how?
2. Why lysosomes are known as suicidal bags?
3. Why is endocytosis is seen in animal cell only?
- 4.Explain the process of osmosis through an example.
- 5.Draw and label a Plant cell neatly.
6. What would happen to the size of the if put in a concentrated salt solution and why?
- 7.Differentiate between tendons and ligaments.
8. Draw the structure of nerve cell. How is nerve impulses transmitted through synapse?
9. Write a short note on adipose tissues.
10. Write a short notes on different types of muscles with their diagrams.
11. what is meant by complex permanent tissues? Differentiate between xylem and phloem.
12. With the help of diagram explain meristematic tissues. Also explain its types on the basis of location.
- 13.Name the tissue which:
(i) allows buoyancy to aquatic plants (ii) provides flexibility to plants
- 14.In a temporary mount of a leaf epidermis, we observe small pores.
a)What are the pores present in leaf epidermis called?
b)How are these pores beneficial to the plant?
- 15.What is epidermis? What is its role?
16. Draw a neat and well labelled diagram of sclerenchyma tissue as seen in the transverse section.
- 17.Based upon cell shape, cell wall and intercellular spaces, prepare a comparative study table between parenchyma, collenchyma and sclerenchyma. Which of these tissues is dead?
18. Differentiate between milch animals and drought animals and also state their food requirements.
- 19.What is vermicompost?
- 20.Name two exotic or foreign and two local breeds of cows selected for long lactation period
- 21.Why Italian bee variety is commonly used for commercial honey production?
- 22.Define hybridization. List its any two advantages.
- 23.Distinguish between intercropping and mixed cropping.
- 24.A farmer wants to store his agricultural produce. What factors should he check before storing? What controlling measures should he take?
- 25.Explain the desirable traits obtained after cross – breeding indigenous and exotic breeds of poultry birds.
- 26.(i) A student visited a fish farm where he found Catla, Rohu, Mrigals, Common Carps and Grass Carps cultured in the same pond. Name the type of fish farming observed by the student.
(ii) Mention the advantages of such farming system.
(iii) What is the main problem in such fish farming? How do farmers such problem?
- 27.The atmosphere acts as a blanket, how ?

28. Define weathering. Write the different means which cause weathering.

29.(a) Where is ozone layer found ?

(b) What is ozone hole and how is it caused ?

(c) State the harmful effects of ozone depletion.

30. How does nitrogen fixation take place during lightning ? How do plants make use of the nitrates and nitrites present in soil ?

31. Define eutrophication

32. Explain with diagram water cycle.

33. Name the stains used in staining plant cell and animal cell and why?

34. Define biosphere. Name its components.

35. Why is glycerine used for mounting of the onion cell or human cheek cell?