





8. Summarize different pigments seen in algae.
9. Give an illustration of the female conceptacle in *sargassum*.
10. What are Pyrenoids ? Give example.
11. Comment on the classification of algae by Fritsch.
12. Differentiate between sclerotia and rhizomorph.
13. Write four differences between prokaryotes and eukaryotes.
14. What are fruticose lichen ? Give example.
15. Describe the internal structure of *Usnea*.
16. Outline the six kingdom classification proposed by Carl Woese.

PART – C

Answer **any four**.

(4×3=12)

17. Differentiate between ascocarp and basidiocarp.
18. Outline general characters of phaeophyceae.
19. The lifecycle of *Polysiphonia* is triphasic. Discuss.
20. Draw a neat labelled diagram of sex organs in *Chara*.
21. Write a brief note on economic importance of lichens.
22. Give a detailed account on fungal cell wall.

PART – D

Answer **any one**.

(1×8=8)

23. Describe the lifecycle of *Puccinia*.
  24. Discuss the economic importance of microbes.
  25. Comment on the thallus variation in algae.
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