

Board – CBSE

Class – 11

Chapter – Cell: Plant Kingdom

1. What are zoospores?
2. What is the difference between pollination and syngamy?
3. What is alternation of generation?
4. Why are bryophytes considered amphibians of the plant kingdom?
5. What are the two classes of angiosperms? Give an example for each.
6. What are gemmae?
7. Compare the various reproductive parts of pteridophytes and gymnosperms with those of angiosperms.
8. How is the secondary nucleus formed? What is the ploidy of primary endosperm nucleus (PEN)?
9. What is nucellus in gymnosperms?
10. Mention three economic importance of the first terrestrial plants having vascular tissues.
11. Cyanobacteria are classified under which kingdom?
12. In pteridophytes how the haploid spores are produced?
13. Name the algae from which agar is obtained. Give two uses of agar.
14. What is the storage food in different classes of algae?
15. Represent schematically the type of life cycle pattern exhibited by most of the algae.
16. Explain the sexual reproduction in brown algae.
17. What is the importance of Algae?
18. Describe the life cycle and nature of a fern prothallus.
19. How far does Selaginella fall short of seed habit?
20. What is Chemotaxonomy?
21. Name the plants with
  - a) Haplontic life cycle

- b) Diplontic life cycle
- c) Haplo-diplontic life cycle

22. What are the three groups of plants that bear archegonia?
23. What do you mean by anisogamy?
24. Represent schematically the life cycle of a gymnosperm.
25. Write the names of any three classes of pteridophytes. Give one example for each.
26. Classify plant kingdom?
27. Does heterospory have some evolutionary significance in the plant kingdom?
28. Describe the main features of pteridophytes?
29. What do you mean by double fertilization and triple fusion?
30. Differentiate between the male and female gametophytes of pteridophytes and gymnosperms.