

UNIT- 2 – PLANT KINGDOM

I. Answer in brief(2/3 marks)

1. What is Phycology?
2. What are halophytes and cryophytes?
3. What are pyrenoids?
4. What are akinetes?
5. Define the terms: Isogamy, Anisogamy and Oogamy.
6. What are the different shapes at chloroplast in chlorophyceae?
7. What are amphibious plants? Why?
8. Name the three classes of bryophytes.
9. What are vascular cryptogams? Why?
10. What is heterospory? Mention the importance.
11. What are corolloid roots?
12. What is amber?
13. What is paleobotany?
14. What are the salient features of angiosperm?

II. Answer in a paragraph(5 marks)

1. What is alternation of generations? Explain the types.
2. Write a short note on asexual reproduction in algae.
3. Give an account of general characters of chlorophyceae.
4. Give an account of general characters of Phaeophyceae.
5. Give an account of general characters of Rhodophyceae.
6. Give an account of economic importance of algae.
7. What are the general characteristic features of gymnosperms?
8. Compare the gymnosperm with angiosperm.
9. Give an account of economic importance of gymnosperms.
10. What are the morphological and anatomical differences between dicotyledons and monocotyledons?

* Questions in bold are important