

XI - Ch-3 Plant Kingdom

Assignment

SAQ

- (1) What is the importance of phyco colloids for an algae?
- (2) How is zoospore formed in Ulothrix?
- (3) Name various pigments in different groups of algae.
- (4) Give the structure of a moss sporophyte.
- (5) Where and how are spores produced in a fern?
- (6) List the advantages of a seed in a gymnosperm.
- (7) Explain the sporophylls of male cone in Pinus.
- (8) Explain the role of carpels and stamens in angiosperm.
- (9) What is the basis of classification of algae?
- (10) Both Gymnosperms and Angiosperms bear seeds, then why are they classified separately?
- (11) Define the following terms.
 - i) Cytotaxonomy
 - ii) Zoospores
 - iii) Pyrenoids
 - iv) Antheridium & archegonium
 - v) Gemmae
 - vi) Protonema
 - vii) Prothallus
 - viii) Mycorrhiza
 - ix) Double fertilisation
 - x) Haplontic and Diplontic

LAQ

- (12) Describe different system of classification.
- (13) What is alternation of generation? Explain the same in bryophyte and Pteridophytes. How do they differ?
- (14) How do monocot and dicot plants differ in their roots, stems, leaf, flowers and seeds?
- (15) Describe the life cycle of moss and fern with suitable diagrams.