

B.Sc. CHEMISTRY
First Semester
DIVERSITY OF CRYPTOGAMS
(BSC – 103 B)

Duration: 3Hrs.

Full Marks: 70

Part-A (Objective) =20
Part-B (Descriptive) =50

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

Answer any four from *Question no. 2 to 8*
Question no. 1 is compulsory.

1. Write the general characteristic features of Algae. Discuss the economic importance of Cyanophyceae, Chlorophyceae and Phaeophyceae. (4+6=10)
2. Discuss the life history of Volvox and Ectocarpus. (5+5=10)
3. Discuss the life cycle of Marcheantia with suitable diagrams. (8+2=10)
4. Write short note on: (5+5=10)
 - a) Sporophytic generation of Polytrichum
 - b) Salient features of Anthoceros
5. Describe classification of Pteridophta. (10)
6. Discuss the Similarities and dissimilarities of Pteridophyta with Bryophyta and Gymnosperm. (10)
7. Write a note on the nutrition of fungi. (10)
8. Discuss the life cycle of *Puccinia* with diagrams. (10)
