

Examination: B.A/B.Sc.

Paper: Botany-III (Diversity of plants)

Maximum Marks: 40

Time Allowed: 3Hrs.

Note: Attempt any five questions. Question 1 is compulsory, furthermore select One question from Section-I and Three questions from Section-II.

Q. No. 1: Write short answers of the following questions (1x8=8)

- i. Define double fertilization.
- ii. What is protostele?
- iii. What is soredia?
- iv. Differentiate between ascus and ascocarp.
- v. What are lichens?
- vi. Define conjugation.
- vii. What is plasmid?
- viii. What is mycellium?

Section-I

Q. No. 2: Give the economic importance of bacteria.

Q. No. 3: What are viruses. Give characteristics of viruses.

Section-II

Q. No. 4: Give an account of life history of Funaria.

Q. No. 5: Describe the life cycle of chara.

Q. No. 6: a) Describe structure and development of ovule in Cycas.

b) Describe the structure of typical flower of angiosperm.

Q. No. 7: Describe the life history of Anthoceros.

Q. No. 8: Describe plant body and life cycle of equisetum.

Q. No. 9: Discuss economic importance of fungi.