

**BACHELOR OF SCIENCE (CBCS-2018 COURSE)**  
**F. Y. B. Sc. Sem-I : WINTER :- 2021**  
**SUBJECT: BOTANY : PLANT DIVERSITY & UTILIZATION OF PLANTS-I**

Day : Thursday  
Date 27-01-2022

W-18298-2021

Time : 10:00 AM-01:00 PM  
Max. Marks: 60

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat labelled diagrams **WHEREVER** necessary.
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**Q.1** Attempt any **TWO** of the following: **(12)**

- a) What is Lichen? Give its forms with an example.
- b) Give economic importance of Bryophyta.
- c) Describe structure of male and female conceptacle.

**Q.2** Attempt any **TWO** of the following: **(12)**

- a) Write an account of sexual reproduction in *Aspergillus*.
- b) Describe protonema of *Funaria*.
- c) Describe thallus structure of Hepaticopsida and Bryopsida.

**Q.3** Attempt any **TWO** of the following: **(12)**

- a) Describe role of fungi in human welfare.
- b) Describe sexual reproduction in *Selaginella*.
- c) Explain L. S. of capsule of *Funaria* and give functions of various parts.

**Q.4** Attempt any **THREE** of the following: **(12)**

- a) Explain asexual reproduction in *Aspergillus*.
- b) Explain L. S. of apothecium with labeled diagram in lichens.
- c) Explain role of algae in agriculture and medicine.
- d) Write a note on vegetative reproduction in Algae.

**Q.5** Attempt any **FOUR** of the following: **(12)**

- a) Give salient features of Pteridophyta.
- b) Give classification of fungi up to classes with an example.
- c) Give classification of *Selaginella*.
- d) Give important features of Ascomycotina and Basidiomycotina.
- e) Explain in short asexual reproduction in *Sargassum*.
- f) Explain structure of heterocyst.

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