

**F.Y.B.Sc. SEM – I (CBCS 2018 COURSE) : SUMMER - 2019**  
**SUBJECT : BOTANY : PLANT DIVERSITY AND UTILIZATION OF PLANTS - I**

Day : Saturday  
Date : 04/05/2019

**S-2019-0773**

Time : 03.00 PM TO 06.00 PM  
Max. Marks : 60

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the **RIGHT** indicate **FULL** marks.
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**Q.1** Attempt **ANY TWO** of the following. **(12)**

- a) Explain general characters of Algae and give its classification as per the Fritsch (1935).
- b) Give classification of fungi with suitable example of each class as per Alexopoulos and Mims.
- c) What is lichen? Give its types with suitable example.

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

- a) Give salient features of Hepaticopsida and Bryopsida.
- b) Comment on morphological and reproductive structures of Lycopsidea.
- c) Describe sexual reproduction in bryophyta with reference to *Funaria*.

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

- a) Explain sexual reproduction in *Selaginella* and give its schematic representation of alternation of generations.
- b) Give comparative account of Sphenopsida and Pteropsida.
- c) Give an account of sexual reproduction in *Sargassum*.

**Q.4** Write short notes on **ANY THREE** . **(12)**

- a) Describe L.S. of apothecium of *Usnea*.
- b) Give a sexual reproduction in *Aspergillus*.
- c) Write note on vegetative reproduction in algae.
- d) Give economic importance of Fungi.

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

- a) Explain role of algae in agriculture and medicines.
- b) Give classification of *Aspergillus* with reasons.
- c) Write note of L.S. of *Funaria* capsule.
- d) Explain structure of heterocyst.
- e) Distinguish between Ascomycotina and Basidiomycotina.

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