

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

Day : Wednesday  
Date : 17/10/2018

**W-2018-0670**

Time : 11.00 A.M TO 02.00 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) Give classification of algae with suitable example of each class.
- b) Give general characters of fungi and add a note on its mode of nutrition.
- c) Explain internal structure of apothecium of *Usnea*.

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

- a) Give salient features of Zygomycotina and Ascomycotina.
- b) Explain sexual reproduction in Bryophyta with reference to *Funaria*.
- c) Comment on morphological and reproductive structures of Psilopsida.

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

- a) Give classification of *Selaginella* and comment on its habit and habitat.
- b) Give an account of male and female conceptacles of *Sargassum*.
- c) Describe comparative account of Lycopsida and Sphenopsida.

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

- a) Explain sexual reproduction in *Aspergillus*.
- b) Give economic importance of Algae.
- c) Explain various types of lichen with suitable example.
- d) Comment on habit and habitat of Algae.

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

- a) Give a sexual reproduction in *Aspergillus*.
- b) Enlist industrial products of Bryophyta and Pteridophyta.
- c) Write note of L.S. of *Funaria* capsule.
- d) Comment of heterosporic condition in *Selaginella*.
- e) Give schzematic representation of alternation of generation in *Sargassum*.

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