

F.Y.B.SC. SEM – I (2014 COURSE) : SUMMER - 2018
SUBJECT: BOTANY : PLANT DIVERSITY & UTILIZATION OF PLANTS – I

Day : **Friday**
Date : **20/04/2018**

S-2018-0682

Time : **12.00 NOON TO 02.00 PM**
Max. Marks : 40

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
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Q.1 Attempt **ANY TWO** of the following: **[10]**

- a) Explain in brief Zygomycotina and Ascomycotina.
- b) Give sexual reproduction of *Funaria*.
- c) Sketch and label structure of synangium in *Psilotum*.

Q.2 Attempt **ANY TWO** of the following: **[10]**

- a) Explain heterosporous condition in *Selaginella*.
- b) Give a sexual reproduction in *Aspergillus*.
- c) Give economic importance of Algae.

Q.3 Attempt **ANY TWO** of the following: **[10]**

- a) Give an account of classification of Fungi.
- b) Sketch, label and describe V.S. of apothecium in *Usnea*.
- c) Give important characters of Chlorophyta and Xanthophyta.

Q.4 Attempt **ANY FIVE** of the following: **[10]**

- a) Give general characters of Bryophyta.
- b) Give economic importance of Fungi.
- c) Give distinguishing characters of Pteropsida.
- d) Explain various forms of lichens.
- e) Distinguish between Basidiomycotina and Deuteromycetes.
- f) Write in various industrial products of Bryophytes and Pteridophytes.
- g) Give two examples of Lycopsida and Pteropsida.

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