

BACHELOR OF SCIENCE (CBCS-2018 COURSE)
F. Y. B. Sc. Sem-I :SUMMER- 2022
SUBJECT : BOTANY : PLANT DIVERSITY & UTILIZATION OF PLANTS-I

Day : Tuesday
Date : 12/7/2022

S-18298-2022

Time : 11:00 AM-02:00 PM
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat labelled diagrams **WHEREVER** necessary.
-

Q.1 Attempt any **TWO** of the following: **(12)**

- a) Describe structure of male and female conceptacle in *Sargassum*.
- b) Describe various forms of lichens with an example.
- c) Describe sexual reproduction in *Aspergillus*.

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

- a) Describe sexual reproduction in *Selaginella*.
- b) Give economic importance of Bryophytes.
- c) Describe protonema of *Funaria*.

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

- a) Describe role of fungi in human welfare.
- b) Explain L. S. of capsule of *Funaria* and give functions of various parts.
- c) Give general characters of Algae.

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

- a) Describe asexual reproduction in *Aspergillus*.
- b) Sketch and label V. S. of apothecium in lichens.
- c) Write note on vegetative reproduction in Algae.
- d) Explain role of Algae in agriculture and medicine.

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

- a) Give classification of *Selaginella*.
- b) Give classification of fungi up to classes with an example.
- c) Explain structure of heterocyst.
- d) Write a note on asexual reproduction in *Sargassum*.
- e) Give salient features of Pteridophyta.
- f) Describe sporophyte of *Funaria*.

* * * *