BACHELOR OF SCIENCE (CBCS-2018 COURSE)
T. Y. B. Sc. Sem-V : WINTER- 2022
SUBJECT : BOTANY : BIOLOGY OF LOWER CRYPTOGAMS (ALGAE & FUNGI)

Day : Wednesday | Time : 02:00 PM-05:00 PM

Date : 7/12/2022 | **W-18422-2022** | Max. Marks : 60

N. B. :

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

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

a) Describe life history of *Chara*.
b) Explain forms of mycellium and mode of nutrition in fungi.
c) Describe asexual reproduction of Algae except *Chara*.

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

a) Explain various types of spores occur in the fungi.
b) Describe female receptacle in *Sargassum*.
c) Explain classification of fungi with suitable examples.

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

a) Describe cell pigmentation in algae.
b) Explain basidiocarp of *Agaricus*.
c) Describe habit and habitat of *Batrachospermum*.

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

a) Explain in brief *Single Cell Protein (SCP)*.
b) Describe characters of *Ustilago*.
c) Explain *VAM* fungi in brief.
d) Describe plasmodiophora of fungi.

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

a) Give ultrastructure of the algal cell of *Chlamydomonas*.
b) Describe outline of classification of Algae.
c) Give distinguishing characters of *Clavicep*.
d) Write algal blooms role of algae in human welfare.
e) Give asexual reproduction in *Aspergillus*.
f) Enlist non-edible mushrooms.

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