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SUBJECT CODE NO: - Y-2037
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. F.Y (Sem-I)
Examination March / April - 2023
Botany Paper-I Diversity of Cryptogams-I

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

N. B

- 1) Attempt all Questions.
- 2) Illustrate your answer with well labelled diagram.

Q1 Describe in detail forms of thalli in Lichens. Add a note on its economic Importance 20

OR

Describe in detail general characters of Algae. Give the classification according to F.E Fritsch. 20

Q2 Explain the life cycle of Agaricus. 20

OR

write a short notes on (any four) 20

- a) Thallus structure of Nostoc
- b) Vegetative reproduction in Chara
- c) crustose Lichens.
- d) Economic Importance of fungi
- e) Cleistothecium
- f) Tikka disease.

Q3 Multiple choice questions. 10

- 1) Tobacco Mosaic Virus is ____
 a) spherical shaped b) rod shaped c) cuboidal d) oval shaped.
- 2) Viruses that attacks bacteria are, Called as
 a) Lyso phase b) bacterio phase c) Virophage d) None of these
- 3) coccus bacteria are ____ shaped.
 a) Rod b) Comma c) Rounded d) None of these

- 4) The symbiotic association between algae and fungi is called as _____.
a) mycorrhiza b) Lichen c) VAM d) Mutualism.
- 5) phycology is the study of _____.
a) Algae b) fungi c) Bryophyta d) Pteridophyta
- 6) Batrachospermum is _____ Algae.
a) Brown b) Green c) Red d) yellow
- 7) _____ Algae is also known as stonewort.
a) Sargassum b) Chara c) Batrachospermum d) Botrydium.
- 8) The edible fungi are _____.
a) Rusts b) Mushrooms c) moulds d) mildews
- 9) penicillin which is used as a antibiotic is obtained from _____.
a) Bacteria b) Fungi c) Algae d) Lichens.
- 10) The structure in which an ascospore are formed in _____.
a) Basidium b) sporangium c) Ascus d) None of these