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SUBJECT CODE NO: - YY-2343
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. F.Y (SEM-I)
Examination May / June - 2023
Botany Paper-I Diversity of Cryptogams-I

[Time: 1:30 Hours]**[Max. Marks: 40]**

Please check whether you have got the right question paper.

- N. B
- 1) Attempt all questions
 - 2) All questions carry equal marks
 - 3) Draw neat and well labelled diagrams wherever necessary

Q1 Describe in detail life cycle of Batrachospermum 10

OR

Describe in brief

- a) Redproduction in Nostoc
- b) General characters of Algae

Q2 Describe in detail life cycle of Albugo 10

OR

Describe in brief

- a) Fruiting body of Agaricus
- b) Asexual reproduction in Mucor

Q3 Write short notes (any two) 10

- a) TMV
- b) Citrus canker
- c) Little leaf of brinjal

Q4 MCQ 10

- 1) A colonial alga is
 - a) Volvox
 - b) chlorella
 - c) Ulothrix
 - d) spirogyra
- 2) Flagella in bacteria enable them to
 - a) Reproduce
 - b) locomote
 - c) thrive in nutrient agar
 - d) Adhere to tissue surfaces
- 3) -----is a father of modern algae
 - a) Prof. M.O.P.Iyenger
 - b) F.E.Fritsch
 - c) G.J.Mendel
 - d) K.C.Mehta

- 4) The oogonium of chara is also known as
 - a) Globule
 - b) Nucule
 - c) colony of nostoc
 - d) vesicle of botrydium
- 5) Heterocyst cell is present in -----
 - a) Nostoc
 - b) chara
 - c) Botrydium
 - d) a & b
- 6) Air bladders are commonly found in -----
 - a) Batrachospermum
 - b) Nostoc
 - c) chara
 - d) sargassum
- 7) Floridean starch is the food product of ----
 - a) Myxophyceae
 - b) chlorophyceae
 - c) phaeophyceae
 - d) Rhodophyceae
- 8) Viruses that attack bacteria are called ----
 - a) Virophage
 - b) Bacteriophage
 - c) lysophage
 - d) none of the above
- 9) The protein coat of viruses that enclose the genetic material is called -----
 - a) Virion
 - b) capsid
 - c) peplomers
 - d) capsomers
- 10) Which of the following is the genome of the virus?
 - a) DNA
 - b) RNA
 - c) DNA or RNA
 - d) DNA & RNA