

Total No. of Printed Pages: 02

**SUBJECT CODE NO:-B-2037**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. F.Y (Sem-I)**  
**Examination November/December- 2022**  
**Botany Paper-I**  
**Diversity of Cryptogams-I**

[Time: 1:30 Hours]

[Max. Marks:50]

N.B “Please check whether you have got the right question paper”

- i) Attempt all Questions.
- ii) Illustrate your answers with well-labelled diagrams.

Q.1 Describe in Detail general Characters & ultra-structure of Bacteria. Give its classification based on Shape. 20

OR

Describe systematic Position and alternations of generations in Batrachospermum.

Q.2 Describe in Detail the life-cycle of Albugo 20

OR

Write Shoot rote on any four.

- a) Fruiting body of Agaricus
- b) Economic importance of viruses
- c) Nucule in Chara
- d) General Characters of Mycoplasma
- e) Conidia of Eurotium.
- f) Economic importance of Lichens

Q.3 Multiple choice Questions: 10

- 1) Rhizoids are absent in \_\_\_\_\_  
 (a) Mucor                      (b) Albugo                      (c) Eurotium                      (d) Agaricus.
- 2) \_\_\_\_\_ is Marine Algae.  
 (a) Sargassum                      (b) Chara                      (c) Botrydium                      (d) Nostoc
- 3) TMV contains \_\_\_\_\_  
 (a) Carbohydrates                      (b) DNA &RNA                      (c) DNA only                      (d) RNA & Protein
- 4) Citrus canker is caused by \_\_\_\_\_  
 (a) Pseudomonas                      (b) Xanthomonas                      (c) E.coli                      (d) Pneumococcus
- 5) \_\_\_\_\_ takes part in Nitrogen fixation.  
 (a) Chara                      (b) Batrachospermum                      (c) Nostoc                      (d) Sargassum

- 6) Bacterial cell wall is made up of \_\_\_\_  
(a) Chitin                      (b) cellulose                      (c) Dextran                      (d) peptidoglycan.
- 7) Female Reproductive organs of Chara is called as \_\_\_\_  
(a) Nucule                      (b) Globule                      (c) bulbil                      (d) Protonema
- 8) Sargassum is a \_\_\_\_\_ algae.  
(a) Red                      (b) Yellow                      (c) Brown                      (d) Green
- 9) \_\_\_\_\_ is parasitic fungus.  
(a) Mucor                      (b) Albugo                      (c) Rhizopus                      (d) Agaricus
- 10) Cleistothecium is a \_\_\_\_\_ Fruiting body.  
(a) Closed                      (b) open                      (c) cup shaped                      (d) None of these