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NA—24—2023

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New Pattern)

BOTANY

Paper I

(Viruses, Bacteria, Algae, Fungi, Lichens and Mycorrhiza)

(Friday, 8-12-2023)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt all questions.

(ii) Draw neat and well-labelled diagrams wherever necessary.

1. Describe the ultrastructure of bacterial cell and asexual reproduction by binary fission. 15

Or

Explain in brief :

- (a) Vegetative morphology of Oedogonium 8
- (b) Economic importance of algae. 7
2. General characters and types of lichens. 15

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(2)

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Or

Write in brief :

- | | | |
|-----|---|----|
| (a) | Asexual reproduction in <i>Alternaria</i> | 8 |
| (b) | General characters of fungi. | 7 |
| 3. | Write short notes on (any two) : | 10 |
| (a) | Yellow vein mosaic of Bhendi | |
| (b) | Plurilocular sporangia | |
| (c) | V.S. of Gills | |
| (d) | Foliose lichen. | |

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