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WT—21—2024

FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2024

(CBCS/New Pattern)

BOTANY

Paper-I

(Biology and Diversity of Microbes)

(Tuesday, 10-12-2024)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—75

N.B. :- (i) Attempt *all* questions.

(ii) *All* questions are compulsory and carry equal marks.

(iii) Draw neat and well labelled diagrams wherever necessary.

1. Describe the general characters of viruses and add a note on its chemical composition. 15

Or

Explain citrus canker and black arm of cotton disease.

2. Describe general characters and ultrastructure of mycoplasma. 15
- P.T.O.

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(2)

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Or

Explain leaf curl of papaya and add a note on economic importance of viruses.

3. Describe the general characters of fungi and add a note on its thallus organization. 15

Or

Explain Downey mildew of grapes and its control measures.

4. Explain in detail economic importance of fungi. 15

Or

Define mycorrhiza and explain in detail ectomycorrhiza and endomycorrhiza.

5. Write short notes on any *three* : 15

- (a) General characters of eichens
- (b) Structure of Basidiocarp
- (c) Structure of TMV
- (d) Economic importance of bacteria

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