



M.Sc. III Semester Degree Examination, April/May - 2024

BOTANY

GEC-1: Biofertilizers And Biopesticides

(NEP)

Time : 1 Hour

Maximum Marks : 30

Note : Answer *all* the Questions.

SECTION-A

I. Answer the following questions, each question carries **one** mark. **5x1=5**

- (a) Azotobacter
- (b) Organic farming
- (c) Biopesticides
- (d) Hemicelluloses
- (e) Mineralization

SECTION-B

II. Answer any **five** of the following questions, each question carries **two** marks. **5x2=10**

- (1) Biocontrol agents.
- (2) Mycorrhizae as biofertilizer
- (3) Fermentation method
- (4) Bioreactor
- (5) Endosymbionts
- (6) Bacterial endophytes
- (7) Mineralization of organic matter
- (8) Types of biopesticides

SECTION-C

III. Answer any **three** of the following questions, each question carries **five** marks. **3x5=15**

- (9) Write a short note on biochemical and microbial biopesticides.
- (10) Give a brief account on fungal biofertilizers.
- (11) Explain the various stages in the breakdown of organic matter.
- (12) Discuss on Trichoderma and Pseudomonas as biocontrolling agents.
- (13) Describe the application methods of carrier based biofertilizers.

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