

Microbiology [SEC]

[NEP-CBCS]

B.Sc. First Semester End Examination-2023

PAPER: MCB-SEC01T

[Bio fertilizer and Bio pesticide]

Full Marks: 20

Time: 01 Hr.

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Group A

Answer any FIVE questions of the following: 5x2= 10

- 1) What is the principle of isolation of PSB?
- 2) Define Ecto and Endo mycorrhizae with suitable example.
- 3) What is bio pesticide?
- 4) What is Azolla? Mention its use.
- 5) Name any two transgenic tree with endotoxin of Bt.
- 6) Write the role of fungicide.
- 7) Name genetic engineering plant develop in India.
- 8) Write the advantages of biofertilizer.

(2)

Group B

Answer any TWO questions of the following: $2 \times 5 = 10$

- 1) What are bt engeneier crop? Which pest generally control? Write the general property of bacculovirus. $2+1+2$
 - 2) Write the current priority of biopesticide research. Name 5 category of biopesticide with example. $3+2$
 - 3) What is organic farmer method for pest control. Write short note on synthetic pesticides. $2\frac{1}{2}+2\frac{1}{2}$
 - 4) Write down the characteristics of Rhizobium Spp. Write down the production and field application of rhizobium fertilizer. $1+2+2$
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