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Sl. No.



**21BSC202BO2**

**B.Sc. II Semester (NEP) Degree Examination, September/October-2022**

**BOTANY- OEC**

**Biofertilizers and Biopesticides**

Time : 3 Hours

Maximum Marks : 60

**SECTION - A**

1. Answer **all** the following questions.

**10x1=10**

- (a) Biofertilizer
- (b) Inoculum
- (c) Heterocyst
- (d) Symbiotic association
- (e) Mycorrhizae
- (f) Frankia
- (g) Cyanobacteria
- (h) Trichoderma
- (i) Bioinsecticide
- (j) Biopesticide

**SECTION - B**

Answer **any four** of the following questions.

**4x5=20**

- 2. Write a note on importance of Biofertilizers.
- 3. Describe the mass inoculum production of Rhizobium.
- 4. Write a note on cylindrospermum.
- 5. Discuss the field application of Ecto-mycorrhizae.
- 6. Describe the limitation of biopesticides.
- 7. Write a note on Tolypothrix.



**P.T.O.**

**SECTION - C**

Answer **any three** of the following questions.

**3x10=30**

8. Write a detailed note on isolation, characterization of Azotobacter.
9. Write an account of the microbes used as biofertilizers for various crop plants.
10. Write a note on symbiotic association of cyanobacteria with crop plants by using suitable examples.
11. Write a note on mass inoculum production of AM fungi.
12. Write a detailed note on Trichoderma and Viruses as biopesticides.

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