



ADITYA DEGREE COLLEGES ANDHRA PRADESH

VI SEMESTER - PREFINAL EXAMINATIONS III B.Sc - MICROBIOLOGY (B&B) C-3 BIOFERTILIZERS AND BIOPESTICIDES

Date: 27.03.2020

Max. Marks : 75
Time : 3 Hours

SECTION - A

ANSWER ANY FIVE OF THE FOLLOWING

5 x 10=50

1. a) Write an account on microbes used as biofertilizers for various crops and their advantages over chemical fertilizers?
(or)
- b) Describe mass multiplication of cyanobacteria and field application in rice cultivation?
2. a) Explain Isolation mass multiplication of Azospirillum and field application?
(or)
- b) Describe isolation, mass multiplication, field application of Azotobacter?
3. a) Describe isolation, mass multiplication field application of phosphate solubilizing microbes?
(or)
- b) List out various phosphate solubilizing microbes and its importance?
4. a) Explain various types of mycorrhizae?
(or)
- b) Mass production of VAM and field applications?
5. a) Discuss Bacillus thuringiensis production and field applications?
(or)
- b) How NPV cultivated and its applications in field?

Section B

5x5=25

Answer any five of the following

6. Rhizobium
7. Frankia
8. Azolla
9. Bioinsecticides
10. Ectomycorrhizae
11. Biofertilizers
12. Siderophores
13. Cyanobacteria

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ADC,KKD