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MBH 551



IV Semester M.Sc. Degree Examination, September/October 2022
(CBCS-PG-CGPA)
MICROBIOLOGY
Agricultural Microbiology

Time : 3 Hours

Max. Marks : 70

- I. Write short notes on **any five** of the following : **(5×3=15)**
- 1) Ozone depletion.
 - 2) Phosphate solubilizers.
 - 3) Physical properties of soil.
 - 4) Soil horizons.
 - 5) *Bacillus papillae*.
 - 6) Acid rain.
 - 7) Biomagnification.
- II. Write a note on **any five** of the following : **(5×5=25)**
- 8) *Azospirillum*.
 - 9) Global warming and Climate change.
 - 10) Phytoremediation.
 - 11) Biotransformation of metals.
 - 12) Carbon cycle.
 - 13) PGPR.
 - 14) Plant viral diseases.
- III. Answer **any three** of the following : **(3×10=30)**
- 15) Describe the role of fungi in bio-deterioration of wood.
 - 16) Describe the importance of Genetic Engineering in crop improvement.
 - 17) Explain the methods of qualitative and quantitative analysis of soil microflora.
 - 18) Give an account on symbiotic nitrogen fixation with an example.
 - 19) Write a detailed note on the role of Cyanobacteria in the field of agriculture.
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