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SVIS 351 A -2K12
B.Sc. VIth Semester Degree Examination
Biotechnology (optional)
Agricultural and Environmental Biotechnology
Paper - 6.5

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates :

Answer **all** the questions.

Draw neat labelled diagram wherever necessary.

I. Answer the following in one word or one sentence each.

(15×1=15)

- 1) Micro propagation
- 2) Biofertilizers
- 3) Biopesticides.
- 4) Nif Genes.
- 5) IAA
- 6) B.GA
- 7) Somatic Hybridization.
- 8) Biomining
- 9) Renewable Energy sources.
- 10) Filter beds.
- 11) Biodegradation
- 12) Acid rain
- 13) Methanogenesis.
- 14) Azotobacter.
- 15) Land Filling.

II. Answer any five of the following.

(5×5=25)

- 16) Sewage Treatment
- 17) Degradation of pesticides.
- 18) Causes of water pollution.
- 19) Application of plant Tissue culture
- 20) Plant breeding Techniques.
- 21) Treatment of Industrial Effluents
- 22) Biogas production.

III. Answer the following : Any four.

(4×10=40)

- 23) Explain the Industrial production of Ethanol.
- 24) Explain the causes, effects and control measures of Air pollution.
- 25) Describe the steps of production of vermi compost.
- 26) Explain the role and applications of Auxins and Gibberellins in agriculture
- 27) Explain Neem as biopesticide in agriculture and add a note on advantages of biopesticides.
- 28) Explain the role and application of Rhizobium in agriculture.