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SVIS- 317 A-17
B.Sc. VI th Semester Degree Examination
Biotechnology
(Agricultural and Environmental Biotechnology)
Paper : 6.5

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates : 1) Answer all questions.

2) Draw diagrams wherever necessary.

I Answer the following in a word or sentence each :

(15 × 1 = 15)

- 1) Hup gene.
- 2) BGA.
- 3) Somatic hybridization.
- 4) Filter beds.
- 5) Acid rain.
- 6) Methanogens.
- 7) Azotobacter.
- 8) Land filling.
- 9) Mycorrhiza.
- 10) Cryopreservation.
- 11) Horticulture.
- 12) Vermiculture.
- 13) Bioremediation.
- 14) Effluent.
- 15) Soil pollution.

II Write a note on any **five** of the following.

(5 × 5 = 25)

- 16) Effects of soil pollution.
- 17) Neem as pesticide.
- 18) Biodegradation of pesticides.
- 19) Vermicomposting method.
- 20) Integrated pest management.
- 21) Plant growth regulators in Horticulture.
- 22) Mutation breeding technique.

III Answer any **FOUR** of the following questions.

(4 × 10 = 40)

- 23) Explain various steps involved in sewage water treatment.
- 24) Explain different methods of plant breeding technique.
- 25) Describe steps involved in plant tissue culture.
- 26) Explain method of production of biofertilizers by Azolla and add its uses.
- 27) Explain sources, & effects of water pollution.
- 28) What is Biomining? Explain steps involved in it.

