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SVIS 317 A -16
B.Sc. VIth Semester Degree Examination
BIOTECHNOLOGY
(Agricultural & Environmental Biotechnology)
Paper - 6.5

Time : 3 Hours

Maximum Marks : 80

Instructions to candidates:

- 1) Answer all the questions
- 2) Draw diagram wherever necessary.

L Answer the following in one word or sentence each

(15×1=15)

1. Biofertilizer
2. Acid rain
3. Nif-genes
4. Hybridization
5. Diazotrophs
6. Methanogenesis
7. Xenobiotics
8. Mutation breeding
9. Micropropagation
10. Embryoids
11. Sedimentation
12. Biogas
13. Somaclones
14. Suspension culture
15. Oxidation pond

II. Answer any **five** of the following questions.

(5×5=25)

16. Explain the causes and control measures of water pollution
17. Integrated pest management.
18. Environmental protection act and issues
19. Role of rhizobium in production of biofertilizers
20. Fossil fuels and their effects on environment
21. Primary treatment of industrial effluent
22. Somatic hybridization technique.

III Answer any **four** of the following

(4×10=40)

23. Explain the steps involved in production of Vermicompost
 24. Give an account on use of plant growth regulators in agriculture and horticulture
 25. What are non-conventional fuels? Explain.
 26. Explain the steps involved in plant tissue culture
 27. Explain the production of biogas by floating gas holder type plant
 28. Explain various steps involved in Biomining process.
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