

M.A / M. Sc./M.Com DEGREE EXAMINATION, APRIL 2018
SECOND SEMESTER

COURSE : ELECTIVE
PAPER : APPLICATIONS OF BIOTECHNOLOGY
TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

ANSWER ALL THE QUESTIONS

(20 x 1 = 20)

1. Write the uses of Fermentation Technology
2. What is bioreactor?
3. What is batch culture?
4. What is cellulose?
5. Write the uses of vermicompost
6. Expand VAM fungi
7. What are Petroplants?
8. What is biogas?
9. Define edible Vaccine
10. What do you mean by herbicide resistant plant?
11. Define transgenic animal
12. What is cloning?
13. What are synthetic seeds?
14. Define callus
15. What is micropropagation?
16. What is floriculture?
17. Explain Southern Blotting
18. Define Recombinant Vaccine
19. What is electrochemical biosensor?
20. What are DNA probes?

SECTION – B

ANSWER ANY FOUR QUESTIONS IN ABOUT 600 WORDS

(4 x 10 = 40)

21. Explain the Downstream processing in fermentation technology.
22. Bring out the applications of enzyme in food industry.
23. Write an essay on Biofertilizers.
24. Give a detail account on ethanol production.
25. Give an account on Insect resistant plants.
26. Bring out the application of plant tissue culture in Agriculture.
27. What are the application of vaccines.

SECTION – C

ANSWER ANY TWO QUESTIONS IN ABOUT 1500 WORDS

(2 x 20 = 40)

28. Explain Penicillin production in detail.
29. Give an account on Mushroom cultivation and add a note on food value of edible mushrooms.
30. Explain about the production of transgenic animals.
31. Bring out the importance of DNA fingerprinting in Forensic Science.
