



23104625

QP CODE: 23104625

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE
EXAMINATIONS, FEBRUARY 2023**

First Semester

B.Sc Biotechnology Model III

Core Course - BT1CRT02 - METHODOLOGY IN BIOTECHNOLOGY

2017 Admission Onwards

3D807614

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Comment on history of biotechnology.
2. Write any two applications of DNA fingerprinting.
3. What is baker's yeast?
4. Expand the term NCBI.
5. Comment on molecular pharming.
6. Name any two major biotechnology companies in India.
7. What are the criteria for granting patent?
8. What is hand guided cloning technology?
9. What are the types of artificial cells?
10. What are metal based nanoparticles?
11. What are nanotube based biosensor?
12. Define quantum dots.

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Give an account on the scope of biotechnology research in a developing country.
14. Explain how biotechnology is interrelated with the field of ancient cultivation processes.
15. What are the applications of rDNA technology?
16. Comment on global trend of biotechnology industry.
17. Differentiate between GLP and GMP and explain their significance.
18. Differentiate between molecular cloning and organism cloning.
19. Write a note on protein crystallization studies in space.
20. Write a note on the role of nanobiotechnology in medicine and health.
21. What are the applications of nanocrystals?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Write in detail about the scope of biotechnology.
23. Explain the applications of green biotechnology in agriculture.
24. Write an essay on impact of biotechnology on society.
25. Write an essay on Human Genome Project and its applications.

(2×10=20)

