



QP CODE: 26019487



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc MOLECULAR BIOLOGY AND GENETIC ENGINEERING

ELECTIVE - BS860403 - BIOTECHNOLOGY ENTREPRENEURSHIP

2019 Admission Onwards

83E2ABE4

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What is drug reimbursement?
2. Name any two recombinant drugs in the industry.
3. What is the role of nanomaterials in cancer diagnosis?
4. Mention two fields using artificial intelligence in biotechnology with examples.
5. What is a grand?
6. Define Confidential information.
7. What is the role of transferor and transferee?
8. How is IPR and collaborative research connected?
9. Name a company producing genetically engineered product for Indian Market.
10. Write a short note on 'Reddys Lab'.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Explain the application of genome engineering with respect to drug synthesis.
12. What are the applications of synthetic genes in Biotechnology?
13. How RNAi acts as an Anti-Infectious Agent?
14. What are the steps followed for commercialization of biotechnology products?





15. What are the contents required for NDA?
16. Comment on Licensing from Educational Institutions.
17. Name five Indian nutraceutical companies and one product each of these companies ?
18. What are the essential steps to start a biotech company?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. What are the advances in regenerative therapy?
20. Write a case study on Biotech commercialization using University and Federal Labs
21. Describe in detail the need and the steps required in preparing a patent application.
22. Comment on the recent boom of the biotech companies in private sector in India.

(2×5=10 weightage)

