



QP CODE: 25024754



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, APRIL 2025

Fourth Semester

M Sc MOLECULAR BIOLOGY AND GENETIC ENGINEERING

ELECTIVE - BS860403 - BIOTECHNOLOGY ENTREPRENEURSHIP

2019 ADMISSION ONWARDS

3D820470

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What is MAGE?
2. What are recombinant drugs?
3. What is the role of nanoparticles in cancer therapy?
4. Why gene silencing is so important in the field of plant biotechnology?
5. What is Cooperative Research and Development Agreement (CRADA)?
6. What is a grand?
7. What are the two main types of Intellectual property rights?
8. What is the difference between patent litigation and patent Infringement?
9. Why do we have many small pharma companies in India?
10. What is a technology incubation facility ?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Why white biotechnology is so important in current scenario?
12. What are the applications of synthtic genes in Biotechnology?
13. Write a brief account on emerging trends of regenerative medicine in biotechnology industry?
14. How unilateral agreements differs from mutual agreements?
15. What are the other provisions in CDA?





16. What are the key components of License?
17. Write a shortnote on employment opportunities in Indian Pharma Industry?
18. Would you venture on starting a bio fuel company in India? Why?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. What are the applications of AI in Biotechnology?
20. What are the steps followed for commercialization of biotechnology products?
21. Elaborate the different characteristics of Biotechnology Licensing.
22. Which are the top 5 biotech companies in India? Elaborate on their products and commercial impact.

(2×5=10 weightage)

