

QP CODE: 26019522



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Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc BIOTECHNOLOGY

ELECTIVE - BT840403 - IPR AND BIOTECHNOLOGY

2019 Admission Onwards

861E8C77

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. State the different forms of IPR.
2. What do you mean by GI tag?
3. Define Time frames of patent application.
4. What is PCT?
5. What are the classification of biohazard?
6. What is biosafety? Which biosafety level carries the greatest risk?
7. Name two GM crops with largest global biotech crop area.
8. What is Bollgard III?
9. List the Cons of the Human Genome Project.
10. What is a Genetic Test?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Briefly explain Industrial Design.
12. Briefly explain the Objects of Intellectual property law.
13. What are the documents required for filing a patent application in India?
14. What is the importance of a patent database?





15. What is biohazard containment? Add notes on the the elements of containment?
16. Discuss recombinant DNA guidelines, 1990.
17. Classify bioterror agents. Add note on bioterrorism diseases.
18. Discuss the criteria of novelty for patenting microorganisms.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Write note on - a)GATT b)TRIPS c) WTO d) Patent protection to GMO
20. Explain the role of patent database with example.
21. Describe the different Biosafety levels and its guidelines.
22. Discuss the steps involved in the production of Bt cotton.

(2×5=10 weightage)

