

S.No. 6918

P 16 MBE 2 B

(For candidates admitted from 2016–2021 Batch)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Microbiology – Elective

QUALITY CONTROL AND IPR

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

Define/Comment on:

1. Bioethics
2. Human rights
3. Issues of Biosafety
4. Risk assessment
5. Biosafety assessment
6. Biohazards of pharma industry
7. Vaccines
8. EMB agar

9. GATT

10. GMP

PART B — ($5 \times 5 = 25$)

Answer ALL the questions, choosing either (a) or (b)

11. (a) Write short note on morality and ethics.

Or

(b) Write in brief about beneficence and privacy.

12. (a) Add short notes on benefits of biosafety.

Or

(b) Add short note on guidelines for microbiological laboratory.

13. (a) Write the importance of BSA for biotechnology products.

Or

(b) Add brief note on biosafety assessment of vaccines.

14. (a) Give an account on quality control of dairy products.

Or

(b) Write brief note on quality control in potability of water.

15. (a) Write note on convention on biodiversity.

Or

(b) Give brief note on process of patenting in India.

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Explain in detail about principles of bioethics.

17. Discuss about the different biosafety concern levels.

18. Write an essay on biosafety assessment for drugs.

19. Give an elaborate note on quality control in food process technology.

20. Write an essay on patent cooperation treaty.