

M.Sc. (Micro) Semester - 4 (CBCS) Examination
Oct/Nov -2020 [NEW COURSE]
Research Methodology, IPR and Biosafety (Core)

Time: 2:00 Hours

Marks: 56

Instructions:

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any four of the following questions.

Section-I

Q. 1 Enlist the components of research problem and describe aims, and objective in detail. 14

OR

Q. 1 Answer the following 14

1. Write note on mentor and mentee responsibility.
2. What is plagiarism? explain in detail.

Q. 2 Explain the fundamentals of patents and describe copyright in detail. 14

OR

Q. 2 Answer the following 14

1. Write note on types of patent.
2. Write note on geographical indications.

Q.3 Answer the following (any fourteen out of sixteen) 07

1. What is research report?
2. Give a full form of TRISP and GATT.
3. What is importance of plagiarism in research?
4. What do you mean by process optimization?
5. Mention the responsibility of mentor in research.
6. Mention basic components of research paper.
7. Explain hypothesis in brief.
8. What is GMO?
9. Enlist national funding agency and explain its role.
10. What is transgenic animal?
11. How to prepare research proposal?
12. What is the role of GMO in food?
13. Give the full form of RCGM and LMO.
14. Mention the national funding agency and its role.
15. Enlist the difference of review and research paper.
16. What is primary containment? Discuss in brief

Q. 4. Discuss the national and international funding agency and explain its importance in scientific research. 14

OR

Q. 4 Answer the following 14

1. Explain research scheme.
2. Write short note on review writing and discuss the importance of review.

Q. 5 Discuss the BSL facilities in detail with suitable example. 14

OR

Q. 5 Answer the following 14

1. Write a note on risk assessment.
2. Write note on Biosafety safety cabinet.
