

M.Sc. (Botany) Semester - 4 (CBCS) Examination
August/September -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.

Q.1 State the necessary component of research with its aim and objective. (14)

OR

Q.1 Write short notes on

- (i) Plagiarism
- (ii) Optimization of protocol

Q.2 Write a detailed note on significance of patents (14)

OR

Q.2 Answer the following

- (i) Describe in brief the laws of 'Copyright'
- (ii) Write a note on fundamental of trademarks

Q.3 Answer the following (any fourteen) (14)

1. Which precessions you will take to avoid plagiarism?
2. Mention any three important responsibilities of mentee.
3. Why data validation is important?
4. What is Multivariate analysis?
5. Mention the responsibility of mentor in research.
6. Mention the examples of types of patents.
7. Give a full form of WIPO and GATT.
8. What do you mean by Intellectual Property Right?
9. Why review of related literature is mandatory before taking up any research?
10. What is the importance of research proposal writing?
11. What are the characteristics of a good review?
12. What is biosafety?
13. Enlist Biosafety level 2 features.
14. Define GMO and LMO.
15. What is the role of biological safety cabinets?
16. Mention the national funding agency.

Q.4 Explain the role of national and international funding agency in R&D. (14)

OR

Q.4 Write short notes on:

1. Discuss types of scientific research.
2. Review writing

Q.5 Write short note on: transgenic animals and plants. (14)

OR

Q.5 Answer the following

1. Explain role of institutional biosafety committee.
2. State the fundamental of biosafety
