

M.Sc. (Zoology) Semester - 4 (CBCS) Examination
April/May-2023 (NEW COURSE)
Research Methodology, IPR and Biosafety (Core)

Time: 2:30 Hours

Marks: 70

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

SECTION-1

Que. 1 Answer the Following. (Two short Questions) (14)

1. Write about multivariate analysis and plagiarism. (07)
2. Explain research problem & paper writing with suitable example. (07)

OR

Describe mentoring and mentor-mentee responsibility in details. (14)

Que. 2 Answer the Following. (Two short Questions) (14)

1. Describe copyright in detail. (07)
2. Why R & D is important? Explain protection of new GMOs. (07)

OR

Write about types of patent applications: provisional and complete specifications. (14)

Que. 3 Answer any seven out of eight. (07)

1. Suggest three software for plagiarism checking.
2. Which are the sources for research problem?
3. Write a few keywords for your research topic.
4. Write about data validation.
5. History of GATT.
6. Write a few responsibilities of mentee.
7. Explain trademarks.
8. What is graphical data analysis?

SECTION-2

Que. 4 Answer the Following. (Two short Questions) (14)

1. Write a research proposal. (07)
2. Describe national funding agency and its role with examples. (07)

OR

Describe review writing with example. (14)

Que. 5 Answer the Following. (Two short Questions) (14)

1. Write about biosafety fundamentals. (07)
2. What is the role of institutional biosafety committee? Expand your comments. (07)

OR

Describe environmental release of GMOs; risk analysis; risk assessment; risk management and communication. (14)

Que. 6 Answer any seven out of eight. (07)

1. What is importance of review of related literature?
2. How one can write a good research proposal?
3. What is a review?
4. Which are the common errors of thesis writing?
5. Explain types of scientific research in short.
6. Write about biosafety levels in short.
7. What is RCGM and GEAC.
8. Describe primary containment for biohazards.
