

M.Sc. (Zoology) Semester - 4 (CBCS) Examination
April/May-2022 (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. (14)

- (A) Write about responsibility of mentee. Mention duties of a research student.
(B) Plagiarism checking is mandatory. Explain in detail.

OR

Describe do's and don'ts for writing each section of a research paper. Which points to be considered for writing a quality research paper.

Que. 2 Answer the Following. (14)

- (A) Describe Patent and copyright in detail.
(B) What is R & D? Why it is important? Explain IP as a factor in R & D.

OR

Write about Industrial Design, Traditional Knowledge, Geographical Indications and Protection of New GMOs.

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

- (1) What is the importance of aims and objectives?
- (2) Do you think mentor can help you? How?
- (3) How will you find a research problem?
- (4) Explain trademarks.
- (5) Write names of some software for plagiarism checking.
- (6) Describe Intellectual Property Right.
- (7) What is data validation?
- (8) Name some patents.

SECTION-2

Que. 4 Answer the Following. (14)

- (A) Write a research proposal in short.
(B) Describe role of National funding agency with examples.

OR

Describe review writing with suitable example.

Que. 5 Answer the Following. (14)

- (A) Write about biosafety cabinet.
(B) Describe Roles of Institutional Biosafety Committee.

OR

Explain transgenic animals and plants with examples.

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

- (1) Define GMOs & LMOs.
- (2) What do you mean by Biosafety Levels of Specific Microorganisms.
- (3) When can you write a good review?
- (4) Enlist the types of research articles.
- (5) Explain types of scientific research in short.
- (6) Explain environmental release of GMOs and its effects.
- (7) What is Cartagena Protocol? In which year it was declared?
- (8) What is HEPA filter?
