



K25U 0303

Reg. No. : .....

Name : .....

**VI Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/  
Improvement) Examination, April 2025  
(2020 to 2022 Admissions)**

**CORE COURSE IN LIFE SCIENCES (ZOOLOGY) AND COMPUTATIONAL  
BIOLOGY**

**6B15ZCB : Research Methodology and Bioethics**

Time : 3 Hours

Max. Marks : 40

**PART – A**

Write about **each** of the following in **2 or 3** sentences. **Each** question carries **1** mark.

**(6×1=6)**

1. Pseudoscience
2. Hypothesis
3. Pilot study
4. Population
5. Bioethics
6. Biological hazard.

**PART – B**

Write about **any six** of the following. **Each** question carries **2** marks.

**(6×2=12)**

7. Principles of science.
8. Objectives of research.
9. Colloquium.
10. ANOVA.
11. Scope of ethics.
12. Randomization in experiments.
13. Role of statistics in life science.
14. Levels of biosafety.

P.T.O.



## PART – C

Write short essay on **any four** of the following. **Each** question carries **3** marks. **(4×3=12)**

15. Define science. Comment on its importance in modern world.
16. Give a short note on types of research.
17. Describe the various uses of 'Chi-square test'.
18. What are the points to be considered while selecting a research problem ?
19. Differentiate between oral and poster presentation.
20. Briefly explain IPR.

## PART – D

Write essay on **any two** of the following. **Each** question carries **5** marks. **(2×5=10)**

21. Explain laboratory associated infections and hazards.
22. Give an elaborate account on sampling methods.
23. Discuss the types of hypotheses. Narrate the steps involved in testing of hypothesis.
24. Give a general account on graphical representation of data.

