



K23U 1557

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS – OBE – Regular)
Examination, April 2023
(2020 Admission)

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. **(1×6=6)**

1. Biosafety
2. SPSS
3. Pilot study
4. Laboratory associated biosafety
5. Bioethics
6. Levels of biosafety.

PART – B

Explain about **any six** of the following. **Each** question carries **2** marks. **(6×2=12)**

7. Deductive research
8. Pie diagram
9. Dependant variables
10. Biosafety

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11. Population and sample
12. Plagiarism
13. Species richness and species evenness
14. Debate.

PART – C

Write short essay on **any four** of the following. **Each** question carries **3** marks.

(4×3=12)

15. Explain research process.
16. Describe the characteristics of a good hypothesis.
17. Define ethical dimension of IPR.
18. Explain biosafety practices in laboratory.
19. Explain the methods and techniques of sampling.
20. Explain laboratory associated infections and biological hazards.

PART – D

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

21. Explain the principles and criteria of science.
 22. Write down the principles of experimentation.
 23. Give an account of the role of biostatistics in life science.
 24. Brief account of principles of bioethics.
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