

(Pages : 3)



P – 3881

Reg. No. :

Name :

Third Semester B.Sc. Degree Examination, January 2023

First Degree Programme Under CBCSS

Zoology

Core Course III

ZO 1341 : METHODOLOGY AND PERSPECTIVES OF ZOOLOGY

(2015-2018 Admission)

Time : 3 Hours

Max. Marks : 80

- I. Answer the following questions (in **one** or **two** sentences). **Each** question carries **1** mark.
1. Expand ZSI.
 2. Define taxon.
 3. What Binomial Nomenclature?
 4. Define primary data.
 5. What is mode?
 6. Define simulation.
 7. Scientific name of tiger.
 8. Which is the headquarters of CDRI of India.

P.T.O.

9. What is fixation?
10. Electron gun is used in _____ (TEM/Centrifuge)

(10 × 1 = 10 Marks)

II. Answer **any eight** of the following. (not to exceed **one** paragraph. **Each** question carries **2** marks.

11. What is measures of central tendency?
12. Comment on plagiarism.
13. What is empiricism?
14. Describe pseudoscience.
15. What is null hypothesis?
16. Write any four zoologically and scientifically important institutes in India.
17. What is embedding?
18. Write notes on fossils.
19. What are taxonomic aids?
20. What is abstract?
21. What is virtual testing?
22. What is random sampling?

(8 × 2 = 16 Marks)

III. Answer **any six** of the following. (Not to exceed **120** words. **Each** carries **4** marks)

23. Explain Histogram. Mention its merits and demerits.
24. Briefly explain fluorescent microscope.
25. Explain centrifugation. Write principles and application of centrifugation.
26. Comment on central drug research institute.

27. What is knowledge? Write notes on different types of knowledge.
28. Write notes on principles of experimental design.
29. Comment on chi square test.
30. Write notes on different branches of zoology.
31. Explain the principles and mechanism of autoradiography.

(6 × 4 = 24 Marks)

IV. Answer **any two** of the following. (Each carries 15 marks)

32. Give an account on TEM and its advantages. Write notes on its application and principle.
33. What is sampling? What are the different types of sampling?
34. Explain different diagrammatic and graphical methods used for the representation of data.
35. What is Chromatography? Explain different types of chromatography.

(2 × 15 = 30 Marks)
