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MZO-009

M. Sc. (ZOOLOGY)

(MSCZOO)

Term-End Examination

June, 2026

MZO-009 : RESEARCH METHODOLOGY

Time : 2 Hours

Maximum Marks : 50

Note : (i) Attempt any **five** questions.

(ii) All questions carry equal marks.

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1. (a) Enumerate the general characteristics
of modern research. 7
 - (b) State the purpose of theory in scientific
research. 3

2. (a) Discuss the different problems in survey research. 5
(b) Write an account on the planning and process of observation. 5
3. (a) What are the basic characteristics of research hypothesis ? 3
(b) Give a broad overview of cross-sectional study in research. 7
4. Describe in detail the different issues in the design and conduct and clinical trials. 10
5. (a) Discuss the steps involved in experimental research. 3
(b) Describe the different classes of non-probability sampling. 7
6. (a) Differentiate between sensitivity and specificity of a diagnostic test. 3
(b) Explain the characteristic features of a good questionnaire. 7

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7. Write short notes :

$4 \times 2\frac{1}{2} = 10$

- (a) Detection of plagiarism
- (b) Types of citation index
- (c) Bibliographic references
- (d) Box-and-whiskers plot

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