

M. SC. (INDUSTRIAL SAFETY)
(MSCIDS)

Term-End Examination

June, 2025

MIS-034 : RESEARCH METHODOLOGY

Time : 3 Hours

Maximum Marks : 70

Note : Answer any **seven** questions. All questions carry equal marks.

1. What do you mean by hypothesis ? What are the steps involved in testing a hypothesis ? 10
2. Distinguish between quantitative and qualitative data. What are the various scales to measure the data ? 10
3. Discuss the process involved in formulation of Research Proposal. 10
4. Which quantitative methods can be used for reduction of dimensionality ? Briefly discuss any *two*. 10

5. What are the characteristics of Action Research ? Explain its utility for policy-making. 10
6. Define correlation. Discuss different types of correlation. 10
7. Identify the indicators of industrial safety. How will you collect the data/information of these indicators ? 10
8. What is Content Analysis ? Briefly describe the different steps involved in the process of content analysis. 10
9. Explain the ethical issues related to research publication and reproducibility. 10
10. Write short notes on any *four* of the following : $4 \times 2\frac{1}{2} = 10$
 - (a) Data collection
 - (b) Applied research
 - (c) Peer review
 - (d) Frequency distribution
 - (e) Standard deviation
 - (f) Types of report

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