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MCH-024

**M. SC. IN CHEMISTRY/M. SC. IN
ANALYTICAL CHEMISTRY
(MSCCHEM/MSCANCHEM)
Term-End Examination
December, 2025**

MCH-024 : INTRODUCTION TO RESEARCH

Time : 1 Hour

Maximum Marks : 25

Note : Attempt any *five* questions. All questions carry equal marks.

1. Differentiate between deductive and inductive reasoning in the context of source of knowledge.
2. List the sources of a research problem and describe in brief any *one* of them.
3. List any *five* principles of research design.
4. Explain briefly the different terms used in sampling in research.

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5. Write the ways of minimizing errors in chemical analysis. Explain any *one* way.
6. Explain the concept of confidentiality as one of the ethical practices in research.
7. Write the different parts headings of a research paper ready to be sent for publication in a journal.
8. What challenges do the researchers face while writing the thesis ?

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