



ST. FRANCIS DE SALES COLLEGE

A FRANSALIAN INSTITUTE OF HIGHER EDUCATION **AUTONOMOUS**

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END SEMESTER EXAMINATION – APRIL/MAY 2026

COMMERCE – IV SEMESTER B.COM

25BCO46A: RESEARCH METHODOLOGY

Time: 3 Hours

Max. Marks: 80

Instruction: *Answer should be written completely in English*

SECTION – A

1. Answer any **SEVEN** questions. Each question carries **TWO** marks. (7X2=14)
- Differentiate between inductive and deductive research approaches.
 - Identify any two sources of literature.
 - What do you understand by sampling frame?
 - Differentiate between dependent and independent variables.
 - What is meant by a Chi-square test?
 - Mention any one software used for hypothesis testing.
 - Name any two graphs used for data representation.
 - List any two characteristics of research.
 - State the purpose of conducting a literature review in research.
 - What is meant by an abstract in a research report?

SECTION – B

- Answer any **THREE** questions. Each question carries **EIGHT** marks. (3X8=24)
- Discuss ethical issues in research, including plagiarism and its types.
 - Explain the concept of research gaps and discuss their importance in framing research problems.
 - Discuss the types of research design such as exploratory, descriptive and causal with examples.
 - Explain the role of AI-powered data collection tools such as chatbots, Google Forms, Type form and Kobo Toolbox.
 - Explain the use of basic descriptive tools such as mean, median, mode and standard deviation using Excel or SPSS.

SECTION – C

- Answer any **THREE** questions. Each question carries **FOURTEEN** marks. (3X14=42)
- Discuss the research process in detail.
 - Explain sampling in research. Discuss probability and non-probability sampling methods along with sampling and non-sampling errors.



9. Explain the hypothesis testing process in detail. Discuss the role of level of significance in decision- making.
10. Explain data analysis in detail. Discuss the steps involved and the types of data analysis used in research.
11. Explain the step-by-step process of conducting a literature review from search strategy to evaluation of literature with suitable examples.

