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III Semester M.C.A. Degree Examination June/July - 2024

COMPUTER SCIENCE

Research Methodology

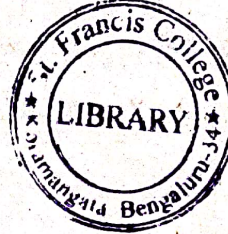
(CBCS Y2K20 Scheme)

Paper : 3MCA3

Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates :



1. Answer **All** sections.
2. Answer any **FIVE** questions from section - A, each question carries **SIX** marks.
3. Answer any **FOUR** questions from section - B, each question carries **TEN** marks.

SECTION - A

I. Answer any Five of the following questions. Each question carries 6 marks.

(5×6=30)

1. Define Research? Discuss the objective of research.
2. What is the use of computer in research?
3. Explain a statistical test for measuring association between two variables.
4. Define qualitative research. What are the popular techniques of qualitative research.
5. Calculate the correlation coefficient of given data.

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6. Explain optimization of fuzzy system.
7. Explain the role of SPSS in data analysis.
8. Discuss any three phases of genetic algorithm.

[P.T.O.]





SECTION - B

II. Answer any FOUR questions. Each question carries 10 marks.

(4×10=40)

9. Discuss the different types of research.
 10. Explain various steps in research process.
 11. Define time series. Explain any one time series model and its use.
 12. Explain the primary goals of conducting a literature review in academic research?
 13. Explain the role of simulated annealing in research with example.
 14. What is report writing? Explain the process of writing the report.
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