



III Semester M.C.A. (Two Years Course) Examination, May 2024
(CBCS) (2021-22)
COMPUTER SCIENCE
3MCA3 : Research Methodology

Time : 3 Hours

Max. Marks : 70

Instructions : 1) Answer **any 5** from Section – A.
2) Answer **any 4** from Section – B.

SECTION – A

Answer **any five** of the following. **Each** question carries **six** marks. **(5×6=30)**

1. Explain principles of the APA Code of Ethics.
2. Discuss all the steps in research process.
3. Explain correlation and types of correlation.
4. Discuss resampling techniques used during data exploration.
5. Explain the rules of graphical representation of data.
6. Discuss bar graph with a suitable example.
7. What is soft computing ? Discuss various soft computing techniques.
8. Discuss about the process involved in writing a research report.

SECTION – B

Answer **any four** of the following. **Each** question carries **10** marks. **(4×10=40)**

9. Discuss in detail about different types of research.
10. Explain time series analysis in detail.



11. Discuss in detail about classification as a statistical modelling technique with example.
 12. Explain tabular description of data in detail.
 13. Explain in detail about Statistical Package for the Social Sciences (SPSS) and GRETL Tools.
 14. Write short notes of the following :
 - a) Structure and components of the research report.
 - b) Referencing in academic writing.
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