

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2019 – 2020 and thereafter)

POST GRADUATE DIPLOMA IN COMPUTER SCIENCE, NOVEMBER 2023
FIRST SEMESTER

COURSE : MAJOR CORE
PAPER : RESEARCH METHODOLOGY
SUBJECT CODE: 23CS/DC/RM14
TIME : 1 ½ HOURS

MAX. MARKS: 50

SECTION – A

Answer any SIX of the following:

(6 * 5 = 30)

1. Describe the type of research you would choose for your project and explain why it is appropriate.
2. Differentiate between research methods and research methodology, and elucidate their respective roles in the research process.
3. What is a Hypothesis? What Characteristics it must possess in order to be a good research hypothesis?
4. Outline how you would present your research findings to your audience, considering factors like clarity, visual aids, and effective communication.
5. Explain which statistical principles or tests you would use to analyze your data and why they are suitable for your research.
6. Describe the key elements of a research report, including the structure, content, and style, and how they contribute to effective communication of research results.
7. Discuss the importance of adhering to professional writing standards in your research report and how it enhances the credibility of your work.
8. Explain how you would design a research poster to visually represent your project's key findings and address ethical considerations.

SECTION - B

Answer any two questions

(2 * 10 = 20)

9. Explain in detail the step-by-step process you would follow in research planning.
10. Explain the purpose and significance of conducting a comprehensive literature review in the research process.
11. Discuss the key elements of effective report writing for a research project.
