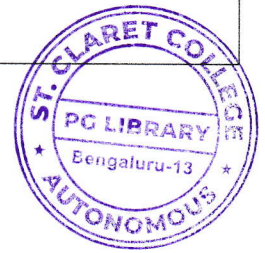


¹
St. Clare College
Autonomous, Bengaluru

ROLL NO:

DATE:



MCA END SEMESTER EXAMINATION-SEPTEMBER 2026

MCA: SECOND SEMESTER

MCA 2125: Research Methodology and IPR

TIME: 3 hours.

MAX. MARKS: 70

This paper contains TWO printed pages and FOUR parts

Instructions:

1. Verify and ensure that the question paper is completely printed.
2. Any discrepancies or questions about the exam paper must be reported to the COE within 1 hour after the examination.
3. Students must check the course title and course code before answering the questions.

PART-A

Answer any EIGHT questions out of TEN. Each answer carries TWO marks. [2X8 = 16]

1. Define research methodology.
2. State any two objectives of research.
3. Differentiate between research methods and methodology.
4. What is a literature review?
5. Define hypothesis.
6. What is an impact factor?
7. Define patent.
8. What is copyright?
9. Define symbols used for a trademark.
10. What is Geographical Indication? Give an example.

PART-B

Answer any FOUR questions out of SIX. Each answer carries FIVE marks. [5X4=20]

11. Explain the characteristics of good research.
12. Illustrate the steps involved in identifying a research problem.
13. Explain sampling methods and sample size estimation.
14. Interpret the importance of report writing in research.
15. Explain the patent filing process in India.
16. Discuss the trademark registration process with suitable examples.

PART-C

Answer any TWO questions out of FOUR. Each answer carries TEN marks. [10X2=20]

17. Analyze the research process and explain the role of literature review, Scopus and Google Scholar.

18. Analyze quantitative research methods with suitable statistical techniques and hypothesis testing.
19. Differentiate patents and copyrights with rights, infringement and enforcement.
20. Explain the registration process of Industrial Designs and Geographical Indications with suitable examples.

PART-D

Answer the following question. Answer carries FORTEEN marks.

[14X1=14]

21. A startup has developed an eco-friendly water purification device. As a research consultant, prepare a research plan, identify suitable literature databases, suggest statistical methods for validation, explain how the innovation can be protected through patent and trademark registration and justify whether GI protection is applicable.