

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034****M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE****SECOND SEMESTER – APRIL 2023****PCS2MC03 – RESEARCH METHODOLOGY**

Date: 06-05-2023

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

SECTION A – K1 (CO1)**Answer ALL the questions****(5 x 1 = 5)****1. Definitions**

a) Applied Research

b) Research design

c) IMRAD

d) Focus group

e) Plagiarism

SECTION A – K2 (CO1)**Answer ALL the questions****(5 x 1 = 5)****2. Fill in the blanks**

a) The exploratory research studies are also called as -----.

b) In a research process, the first and foremost step is selecting and properly defining a -----.

c) A structured formal document that explains the plan of the research is -----.

d) The research proposal should start with ----- to include relevant information.

e) ----- occurs when a paper does not accurately reflex the outcomes of previous research.

SECTION B – K3 (CO2)**Answer any THREE of the following****(3 x 10 = 30)**

3. Explain the research objectives and motivation.

4. Write the components of a research problem and the techniques involved in defining a problem.

5. Write the structure of a research proposal.

6. Explain the elements that are typically included in a conference paper.

7. Compute the check list of an ethics.

SECTION C – K4 (CO3)**Answer any TWO of the following****(2 x 12.5 = 25)**

8. Illustrate the Quantitative research with example.

9. Analyze the important concepts relating to research design.

10. Explain the types of plagiarism. Is self-plagiarism wrong?

11. Categorize the considerations in the preparation of a research paper.

SECTION D – K5 (CO4)

	Answer any ONE of the following	(1 x 15 = 15)
12.	a) Summarize the significance of research. b) Justify the structure of a research proposal.	8 7
13.	Summarize the types of Research Design.	

SECTION E – K6 (CO5)

	Answer any ONE of the following	(1 x 20 = 20)
14.	a) Write the steps involved in a research process and draw the flowchart. b) Formulate the criteria for selecting a research problem.	10 10
15.	a) Write the structure of a thesis. b) Report any 10 general principles of research ethics.	10 10
