

M.Sc. - I (Computer Science) (NEP Pattern) Semester-I  
**NEP-25 / 01MSCCS05 - Paper-V - Research Methodology and Publication Ethics**

P. Pages : 2

Time : Three Hours



**GUG/W/24/15086**

Max. Marks : 80

- 
- Notes :
1. All the questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagrams wherever necessary.
  3. Avoid vague answers and write specific answers related to question.

**Either:**

1. a) Define Research. Explain why research is necessary. 8
- b) Explain the different types of research. 8

**OR**

- c) What do you mean by Research problem? Describe how to identify the research problem. 8
- d) Explain the term Hypothesis in detail. 8

**Either:**

2. a) Write about probability & Nonprobability sampling. 8
- b) What are the characteristics of good research design? Explain. 8

**OR**

- c) Why data sampling is necessary? Explain with example. 8
- d) Explain primary and secondary data in research. 8

**Either:**

3. a) What is the purpose of Report writing? Explain its principles. 8
- b) Describe the contents of Report writing. 8

**OR**

- c) How to write the research abstract? Explain it. 8
- d) What do you mean by Research paper? Explain the process of writing research paper. 8

**Ether:**

4. a) What do you mean by Ethics? Discuss the moral philosophy in ethics. 8
- b) Why Intellectual honesty is necessary? Explain. 8

**OR**

- c) Explain Research Integrity in detail. 8
- d) Write a detail note on plagiarism. 8
5. Solve all the questions.
- a) How to formulate the research proposal? Explain. 4
- b) Enlist and explain the statistical tools of data analysis. 4
- c) Explain the main body and reference section of report. 4
- d) Describe the publication ethics. 4

\*\*\*\*\*