

M.Sc. (Mathematics) (NEP Pattern) Semester-I
NEP-65 - Paper-IV - Research Methodology

P. Pages : 1

Time : Three Hours



GUG/S/25/15124

Max. Marks 80

- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagrams whenever necessary.

UNIT – I

1. a) Explain qualities of research. 8
b) What are research methods? 8

OR

- c) What is philosophy and science? 8
d) Write in brief about cross sectional study. 8

UNIT – II

2. a) Write in detail, a note on “Finding a research problem”. 8
b) Explain the college libraries. 8

OR

- c) Explain bibliographic databases. 8
d) Write a short note on “Who are authors and who are publishers”? 8

UNIT – III

3. a) Write in brief the structure of a research paper. 8
b) Discuss parts of a thesis. 8

OR

- c) Discuss bar diagrams, pie diagrams and sketch the figures of each type. 8
d) Write in detail the difference between oral presentation and poster presentation. 8

UNIT – IV

4. a) Explain in detail intellectual property rights. 8
b) Discuss Misconduct in science. 8

OR

- c) Write in detail “Needed a code of conduct”. 8
d) Write in detail types of plagiarism? 8

5. a) Explain Reductionism. 4
b) Write a short note on simple random sampling. 4
c) Explain Grey literature. 4
d) Write about Shodhganga. 4
