

M.C.M. - II (CBCS Pattern) Semester-III  
**PCMCMT304.1 - Elective-I Paper-IV : Research Methodology**

P. Pages : 2

Time : Three Hours



**GUG/W/24/10776**

Max. Marks : 80

- 
- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagram and use supporting data wherever necessary.
  3. Avoid vague answers and write specific answers related to questions.

**Either:**

1. a) What is Research? Discuss its objective and motivation behind conducting research. 8
- b) Explain different types of Research? Also explain the approaches to Research. 8

**OR**

- c) Explain the common problems which researchers encounter during Research. 8
- d) What is sampling? Explain the importance of sampling in Research. 8

**Either:**

2. a) Describe the steps involved in developing a sampling design. Also explain importance of each step. 8
- b) What do you mean by sample design? Explain the sample selection procedure. 8

**OR**

- c) Explain various factors influence the selection of a sample design. 8
- d) What is random sampling? Explain complex random sampling designs in detail. 8

**Either:**

3. a) Describe the different methods of collecting primary data in detail. 8
- b) Explain how to collect data through Questionnaires. 8

**OR**

- c) Explain how are measures of central tendency used in research? 8
- d) Explain how secondary data can be collected. 8

**Either:**

- |           |    |   |          |
|-----------|----|---|----------|
| <b>4.</b> | a) | Explain the layout of the research Report in detail.                | <b>8</b> |
|           | b) | Explain the significance of parametric tests in hypothesis testing. | <b>8</b> |

**OR**

- |           |    |   |          |
|-----------|----|---|----------|
|           | c) | What do you understand by report writing in research? Describe the different steps involved in writing a research report. | <b>8</b> |
|           | d) | What are different types of research reports?   | <b>8</b> |
| <b>5.</b> |    | Attempt all the questions.  |          |
|           | a) | Write the features of Research Design.  | <b>4</b> |
|           | b) | Write short note on census and sample survey.   | <b>4</b> |
|           | c) | Give short note on different types of analysis used in research.  | <b>4</b> |
|           | d) | Describe the key steps involved in testing a hypothesis.  | <b>4</b> |

\*\*\*\*\*