

Master of Computer Application (MCA-III) (CBCS Pattern) Fifth Semester
PSMCAT504.1 - Paper-IV Elective-I : Research Methodology

P. Pages : 2

Time : Three Hours



GUG/W/18/11120

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw well labelled diagram wherever necessary.
 3. Avoid vague answers and write specific and relevant answers to questions.

1. EITHER.

- a) Discuss problems Encountered by Researchers in India. **8**
- b) Explain Approaches and significance of Research. **8**

OR

- c) What do you mean by Research? Explain types of Research. **8**
- d) Discuss the concept of Research methods versus methodology. **8**

2. EITHER.

- a) Explain need for Research Design in detail. **8**
- b) Discuss steps in sampling design in detail. **8**

OR

- c) How do select a Random sample? Explain in detail. **8**
- d) Write a detail note on Developing Research plan. **8**

3. EITHER.

- a) Explain important scaling techniques in detail. **8**
- b) Explain simple Regression analysis in detail. **8**

OR

- c) Discuss the concept of measurement in Research and measurement scales. **8**
- d) Explain types of analysis in Research. **8**

4. EITHER.
- a) What do you mean by hypothesis? Explain function and importance of hypothesis. 8
 - b) Write a detail note on ANOVA technique. 8

OR

- c) Explain following :- 8
 - i) Chi-square test.
 - ii) Yate's correction.
 - d) Discuss short-cut method for one-way ANOVA. 8
5. Attempt all the questions.
- a) Explain the criteria for good research. 4
 - b) Explain implication of a sample Design. 4
 - c) Write a note on collection of primary data. 4
 - d) Explain caution in using C^2 test. 4
