

M.C.A. - II (Two Years Programme) (New CBCS Pattern) Semester-IV
PSMCAP401 - Paper-I : Research Methodology Development

P. Pages : 1

Time : Three Hours



GUG/S/25/13654

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) Define Research. Explain its objective and significance in detail. **8**
B) Discuss the different types of research with suitable example. **8**

OR

- C) What do you understand by Research process? Explain in detail. **8**
D) What are common problems encountered by research in India? Suggest possible solutions. **8**

Either:

2. A) What is research design? Explain the need and features of a good research design. **8**
B) Describe different types of research design with suitable examples. **8**

OR

- C) What is Sample design? Explain the steps involved in sample design. **8**
D) What do you understand by Random Sample design? Explain in detail. **8**

Either:

3. A) What is measurement in research? Explain different types of measurement scales. **8**
B) Discuss the sources of error in measurement and how they can be minimized. **8**

OR

- C) What is Scaling techniques? Explain the different scaling techniques used in research. **8**
D) Describe the steps involved in processing and analyzing data in research. **8**

Either:

4. A) What is hypothesis? Explain its functions and importance in research. **8**
B) Describe the chi-square test. What are the conditions for its applications. **8**

OR

- C) Explain the steps involved in applying the chi-square test. **8**
D) What is ANOVA? Discuss different technique of ANOVA. **8**

5. Solve all the questions.
A) Explain why it is important to define a research problem properly. **4**
B) What are the characteristics of a good sample design. **4**
C) Discuss in short about importance of statistics in research. **4**
D) Explain in short about the important characteristics of the chi-square test. **4**
