PSCST11 - Paper-III : Research Methodology and Operational Technique

P. Pages : 2

Time : Three Hours

1412

GUG/S/23/11234

Max. Marks : 80

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

Either:

1. a) Write a detail note on Six P of Research. **8**

b) Explain Data Collection Method in Research. **8**

OR

c) Explain objectives and motivation in research. **8**

d) Discuss the criteria of good research in detail. **8**

Either:

2. a) Explain characteristics of good sample design in detail. **8**

b) Discuss meaning and techniques of interpretation in detail. **8**

OR

c) Explain steps for criteria for sampling procedure. **8**

d) Explain different types of report writing. **8**

Either:

3. a) What do you mean by hypothesis? Explain null hypothesis and alternative. **8**

b) Write a detail note on Chi-Square test. **8**

OR

c) Explain Type-I and Type-II Error in detail. **8**

d) Discuss two tailed and one tailed test in research. **8**

Either:

4. a) Explain Limitation of Chi-Square test in detail. **8**

b) Write detail note on one way ANOVA. **8**

OR

    c)   How Chi-Square test help for Large Samples? Explain.   **8**

    d)   Explain ANOVA in test in Latin square design.   **8**

5.   Attempt all the questions.

    a)   Explain scientific research in brief.   **4**

    b)   Write note on Systematic Random in short.   **4**

    c)   Write short note on testing of equality of variances.   **4**

    d)   Give the advantages of ANOVA.   **4**

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