3T-2 - Research Designing and Planning

P. Pages : 2

Time : Three Hours

6164

GUG/W/23/11135

Max. Marks : 80

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Notes : 1. All questions are compulsory and carry equal marks.
2. Calculator and statistical table are permitted.

1. a) Define 'Research' clarity objectives and approaches to research. **16**

OR

b) Mention nature and significance of research problems. **16**

2. a) Discuss Qualitative and Quantitative studies. **8**

b) What are the sources of information. **8**

OR

c) Define survey and explain its characteristic. **8**

d) What is reliability and validity of a research tool. **8**

3. a) Explain the format of a research report. Which steps involved in planning report writing work. **16**

OR

b) Explain in detail Primary and Secondary data collection method. **16**

4. a) Calculate Standard Deviation for frequency distribution of scores given below. **8**

C.I.	f
65 – 69	2
60 – 64	1
55 – 59	7
50 – 54	19
45 – 49	14
40 – 44	9
35 – 39	6
30 – 34	2

b)   Find out the mean and median.   **8**

u	f
30	1
26	2
22	3
18	3
15	1
	N = 10

OR

c)   Calculate the co-efficient of contingency (x^2) from the following data.   **16**

	Level of children			
Income group of family	Dull	Average	Brilliant	Total
Lower	22	35	23	80
Middle	38	70	32	140
Higher	60	20	20	100
Total	120	125	75	320

Do these results suggest that the level of children is affected by the income group of the family? (At 5% level of significance the value of x^2 is 9.488 for 4 degree of freedom)

5.   Write in short **any four.**   **4x4**

a)   Criteria of good research.

b)   Action Research.

c)   Style of Writing.

d)   Compute average deviation from the score give below
      5, 10, 12, 25, 30, 32, 15, 25, 25

e)   Types of errors

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