

M.F.D. Second Year (CBCS Pattern) Semester-III  
**3T-2 - Research Designing & Planning**

P. Pages : 2

Time : Three Hours



**GUG/W/24/11135**

Max. Marks : 80

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

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

**OR**

b) What is research design? Discuss the basic of stratification to be employed in sampling public opinion in inflation. 16

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

b) Discuss qualitative & quantitative studies. 8

**OR**

c) Identification of sources of information. 8

d) Searching & classifying information. 8

3. a) What is research proposal? Explain format of research proposal, how do we submit research proposal to funding agencies. 16

**OR**

b) Explain the various steps involved in writing a research report. 16

4. a) Discuss the hypothesis testing, write about types of error. 16

**OR**

b) Find out the  $\chi^2$  from the following table. 16

Effect of inoculation			
Inoculation	Affected	Unaffected	Total
Inoculated	130	248	378
Non-inoculated	140	70	210
Total	270	318	588

The value of  $\chi^2$  for 1 degree of freedom at 5% level significance is 3.841.

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

**4x4  
=16**

- a) Nature and significance of research.
- b) Limitation.
- c) Reference form
- d) Find the value of median

Marks	Frequency
10 to 20	10
20 to 30	20
30 to 40	10
40 to 50	5
50 to 60	10
	n = 55

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

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