

M.F.D.- II Year (CBCS Pattern) Sem-III
3T-2 - Research Designing & Planning

P. Pages : 1

Time : Three Hours



GUG/W/22/11135

Max. Marks : 80

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

1. a) What do you mean by research design. Explain different features of research design. 16
Elaborate different plans of research work.

OR

- b) What do you mean by research? Describe the different types of research. 16

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

- b) What are the sources of information. 8

OR

- c) Explain about preparing questionnaires and opinionnaire. 8

- d) Discuss qualitative & quantitative studies. 8

3. a) Clarify different precautions to be taken to prepare research report. 8

- b) Explain the significance of a research report. 8

OR

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

4. a) What is a hypothesis? Explain the concept of hypothesis testing & it's types? 16

OR

- b) Calculate Arithmetic mean from the following series. 8

| | | | | | | |
|-------------|--------|---------|---------|---------|---------|---------|
| Class : | 0 – 10 | 10 – 20 | 20 – 30 | 30 – 40 | 40 – 50 | 50 – 60 |
| Frequency : | 10 | 12 | 18 | 20 | 25 | 6 |

- c) In an experiment on immunization of cattle from tuberculosis the following results were obtained. 8

| | | |
|----------------|----------|------------|
| | Affected | Unaffected |
| Inoculated | 12 | 28 |
| Not inoculated | 13 | 7 |

Examine the effect of vaccine in controlling the incidence of the disease.

5. Write in short **any four**. 16

- a) Selection of Research topic.
- b) Reliability and validity of research tool.
- c) Style of report writing.
- d) Types of error.
- e) Features of Research Design.
