

Master of Fashion Design (MFD) Third Semester
MFD234 - Research Methodology & Statistics 3 MFDT-4

P. Pages : 2

Time : Three Hours



GUG/W/18/2154

Max. Marks : 80

- Notes :
1. Solve **only five** questions.
 2. All questions carry equal marks.
 3. Use of statistical table & calculator is permitted.
 4. No use of mobile phones.

1. a) Explain the detailed meaning of the term 'Research' with various definitions & elaborate the various types of research with suitable example. **16**

OR

- b) Discuss the salient features of a good research problem. **8**
- c) What is the specific role of Review of Related Literature? **8**

2. a) Explain the meaning, importance & objectives of research & which sources are necessary in selection of a problem for research. **16**

OR

- b) Elaborate various concepts of research design & characteristics of research design. **8**
- c) Where from, you select your Research problem? **8**

3. a) Prepare a detailed Research Report format of your selected topic with importance of the theme. **16**

OR

- b) What is the crucial role of 'Reliability & validity in Research undertaking? **8**
- c) What you mean by **8**
- i) Quantitative & Qualitative data
 - ii) Primary & secondary data.

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

C. I.	f	Formula
65-69	2	$SD = \sqrt{\frac{\sum fx^2}{N} - \left(\frac{\sum fx}{N}\right)^2}$
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 combined mean 4

$$\begin{array}{ll} N_1 = 60 & M_1 = 100 \\ N_2 = 40 & M_2 = 110 \end{array}$$

- c) Find out the mean. 4

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

OR

Define the term of 'Hypothesis' with various definition & write down details about 'Null Hypothesis & its characteristics. 16

5. Write short note on **any four**. 16

- a) Action Research
- b) Criteria of good Research tool's
- c) Importance of graphic representation of data.
- d) Compute average deviation from the score given below
5, 10, 12, 25, 30, 32, 15, 25, 25
- e) Use of secondary sources
- f) Importance of interviews.
