

M.Ed/3/CC/302(PR)

Professional Course Examination, Odd 2020
(3rd Semester)

MASTER OF EDUCATION

Paper : M.Ed/3/CC/302

(Advanced Research Methods and Statistics in Education)

(Pre-Revised)

Full Marks : 60

Time : 3 Hours

Instructions:

1. Questions should be attempted as per instructions.
2. Do not copy the Questions. Indicate the Questions No. clearly while attempting the answer.
3. The figures in the margin indicate full marks for the questions.

Answer question No. 1 and any three (3) from the rest

1. Write short notes on any three from the following. (5x3=15)
 - a. Characteristics of good Research Design
 - b. Focus Group Discussion
 - c. Importance of reference writing
 - d. Observation
 - e. Type-I and Type-II Errors
 - f. Format of research report
 - g. Application of Parametric and Non-Parametric Statistics
2. What do you mean by Research Design? Explain the types and characteristics of experimental Research Design. (5+10=15)
3. What is Phenomenological Research? Explain the uses and steps involved in conducting Phenomenological Research? (5+10=15)
4. Explain the meaning and importance of triangulation of Data. (15)
5. Explain the concept of data reduction, data display and data cleaning and mention how computer can be utilised for data analysis. (9+6=15)

6. Differentiate between thesis writing and writing a scholarly article. Explain the general format of a thesis research report with necessary details. (5+10=15)

7. What do you mean by standardized test? What are the steps for the construction and standardization of a research tool? Explain. (5+10=15)

8. Opinion was sought from 48 educated women on their job. They are asked to select one option out of three. Test H_0 on the basis of equal distribution. (15)

Agreed	Not Agreed	Indifferent	Total
24	12	12	48

9. An intelligent test was given to 600 students. Their mean and SD were found to be 110 and 17 respectively. Assuming the distribution obtained to be normal. How many students fall in the IQ ranges between 90 and 120? (15)