

2019

Exam Code: 1124  
Sub. Code: 8248

1068

M. Ed. (General)-2<sup>nd</sup> Semester  
Paper-III (C09-ERS-II): Educational Research and Statistics-II  
(In all mediums)

Time allowed: 3 Hours

Max. Marks: 70

**NOTE:** Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I-IV.

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UNIT-I

- I. (a) Discuss various characteristics of a good tool of research.  
(b) Describe the procedure involved in the construction of an attitude scale following the method of summated ratings. (7+7)
- II. Define observation. Describe the steps involved in the process of observation. (4+10)

UNIT-II

- III. (a) Discuss the steps involved in historical method of research.  
(b) What are different types of descriptive method? Explain any one of them. (7+7)
- IV. (a) What are the criteria for selecting an experimental design? Discuss.  
(b) What is research report? Discuss its salient features. (7+7)

UNIT-III

- V. (a) How would you proceed to determine the significance of a given sample mean in a large sample? Illustrate with the help of a hypothetical example.  
(b) On an arithmetic reasoning test, 31 ten-year-old boys and 42 ten-year-old girls made the following scores:

	Mean	SD	N
Boys	40.39	8.69	31
Girls	35.81	8.33	42

In the difference between two group means significant at .05 level? (7+7)

- VI. (a) What are the uses of analysis of variance? Describe.  
(b) The following data represent the scores of six students (selected randomly) in each of the five sections of Class-VIII of a school on vocabulary test:

Sections	Scores					
A	32	17	28	24	21	28
B	19	26	30	17	34	15
C	17	26	30	35	20	15
D	12	15	10	20	18	30
E	12	15	36	17	20	25

Test the null hypothesis for vocabulary ability of different sections of Class-VIII. (4+10)

UNIT-IV

- VII. What is ethnography? Discuss the process of ethnographic research. (2+12)
- VIII. Define qualitative reliability. Describe the procedure for establishing qualitative reliability. (2+12)

UNIT-V

- IX. Write short notes on the following: -  
(a) Merits and demerits of interview as a technique of research  
(b) Types of variables  
(c) Confidence level  
(d) Concept of validity of qualitative research (4+3+3+4)

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