

12/1/2018

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Exam Code: 1123

Sub. Code: 8243

1018

Master of Education (General)

First Semester

Paper – III [C03-ERS-I]: Educational Research and Statistics – I

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.

x-x-x

UNIT – I

- I. Classify educational research. What is the need of research in education? (5,9)
- II. What are the source of research problem? Discuss the criteria for the selection of a problem. (5,9)

UNIT – II

- III. What are the characteristics of a good hypothesis? What are the Type- I and Type – II errors in Hypothesis testing? (9,5)
- IV. Explain various types of probability sampling methods. (14)

UNIT – III

- V. Computer median and also draw an Ogive for the following data:-

C.I.	79-83	74-78	69-73	64-68	59-63	54-58	49-53	44-48	39-43	34-38	29-33	24-28
f	6	7	8	10	12	15	23	16	10	12	6	3

(7,7)

- VI. Define Standard Deviation. Compute Standard Deviation for the following data:-

C.I.	55-59	50-54	45-49	40-44	30-34	25-29	20-24
F	5	8	9	10	7	5	3

(2,12)

UNIT – IV

- VII. Compute Rank Order coefficient of correlation for following data:-

Test X	10	13	17	12	14	12	15	12	16	16
Test Y	8	15	14	13	15	13	16	10	11	15

(14)

- VIII. Assuming normality, divide a group of 500 college students into five sub-groups according to ability, the range of ability being equal in each subgroup. (14)

UNIT – V

- IX. Write short notes on the following:-

- Difference between fundamental and action research
- Sampling errors
- Importance of statistics in educational research
- Assumptions of Pearson's coefficient of correlation

(4x3½)

