

19-12-2016

Exam. Code: 1123

Sub. Code: 8243

1126

M.Ed. (General) First Semester

Paper – III [CO3-ERS-I]: Educational Research and Statistics – I

(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

x-x-x

UNIT I											
I.	What is the meaning of educational research? With the help of examples explain the difference between fundamental and applied research.										(4,10)
II.	Explain the criteria for selection of a good research problem? How will you define it										(10, 4)
UNIT II											
III.	What is the need and importance of a hypothesis in research? Explain the characteristics of a good hypothesis with the help of examples										(5,9)
IV.	Define sampling. Explain various types of probability sampling methods.										(4,10)
UNIT III											
V.	Prepare a histogram and frequency polygon for the following data										(7,7)
	C.I	65-69	60-64	55-59	50-54	45-49	40-44	35-39	30-34	25-29	20-24
	f	2	4	5	8	10	12	9	5	3	2
VI.	Compute Quartile deviation for the following data										(14)
	C.I	127-129	124-126	121-123	118-120	115-117	112-114	109-111	106-108	103-105	100-102
	F	2	3	5	2	8	5	4	3	2	2
UNIT IV											
VII.	Compute pearson's coefficient of correlation for following data also test its significance										(10,4)
	Individuals	A	B	C	D	E	F	G	H	I	J
	Test X	60	35	45	46	48	50	55	58	50	55
	Test Y	62	66	30	28	40	42	44	55	40	54
VII.	There is a group of 200 students to be classified into three categories A, B and C on the basis of ability, the range of ability being equal in each category. If the trait counted under ability is normally distributed how many students will be placed in each category?										(14)
UNIT V											
IX.	Write Short Notes on the following i. Merits of qualitative research ii. Type I and Type II errors iii. Importance of statistics iv. Characteristics of NPC										(4x3 ^{1/2})

x-x-x

(Hindi & Punjabi versions enclosed)

P.T.O.

