

2016

( 5th Semester )

EDUCATION

( Honours )

Paper No. : EDN-502

( **Statistics in Education** )

Full Marks : 70

Pass Marks : 45%

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

1. Explain the meaning, nature and scope of educational statistics. 4+4+6=14

Or

Enumerate the sources of educational data and the use of educational statistics. 7+7=14

2. What are the different measures of central tendency? Discuss them with their merits and demerits. 6+8=14

( 2 )

Or

Calculate the standard deviation (SD) from the following data :

14

<u>Class Interval</u>	<u>Frequency</u>
5-9	7
10-14	12
15-19	17
20-24	22
25-29	27
30-34	32
35-39	37
40-44	42
45-49	47

3. What is rank difference method of computing coefficient of correlation? Discuss the process of its computation with the help of some hypothetical data. 4+10=14

Or

Explain the concept and kinds of correlation. 14

4. What do you mean by normal probability curve? What are the characteristics of that curve? 4+10=14

Or

What do you understand by the term 'normal probability'? What do you mean by divergence from normality? Define and explain skewness with a diagram. 3+3+8=14

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( Continued )

( 3 )

5. What is a variable? Explain the types of variables. 4+10=14

Or

Plot a Histogram and a Frequency Polygon from the given data : 7+7=14

<u>Class Interval</u>	<u>Frequency</u>
65-69	1
60-64	3
55-59	4
50-54	7
45-49	9
40-44	11
35-39	8
25-29	2
20-24	1

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