ALLAMA IQBAL OPEN UNIVERSITY

Level:	B.Ed (1.5/2.5 Years)	Semester:	Spring 2019
Paper:	Educational statistics (8614)	Maximum Marks:	100
Time Allowed:	03 Hours	Pass Marks:	50

Note: ATTEMPT FIVE QUESTIONS. ALL CARRY EQUAL MARKS.

Q. No.	Questions	Marks
Q. No.1	Explain different methods of effective presentation of data. List different types of graphs and write note on each type.	20
Q. No.2	Differentiate between primary and secondary data. Explain their uses and benefits with examples.	20
Q. No.3	Explain the following terms with examples. • Nominal Ordinal • Ordinal • Interval/Ratio • Continuous Data • Categorical Data	20
Q. No.4	Explain the measures of central tendency and measures of dispersion. How these two concepts are related? Suggest one measure of dispersion of each measure of central tendency with logical reasons.	20
Q. No.5	What is data cleaning? Write down its importance and benefits. How to ensure it before analysis of data?	20
Q. No.6	Explain the concept of reliability. Explain types of reliability and methods used to calculate each type.	20
Q. No.7	What is measure of difference? Explain different types of tests in detail with examples. How are these tests used in hypothesis testing?	20
Q. No.8	Explain the following terms with examples: • Degree of freedom • Dispersion of data • Sample size • Population • T-test	20

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