

ADM	IISSION	NUM	IBER		

School of Liberal Education

Bachelor of Arts Honours in Economics Semester End Examination - Nov 2023

Duration : 180 Minutes Max Marks : 100

Sem V - K1UB503T - Elementary Statistics

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	How sampling method is more useful over census method of data collections.					
2)	Give formulas to calculate quatile deviatian and standared deviation.					
3)	Calculate Bowley's co-efficient of skewness from the following data: Class; 0-10,10-20,20-30,30-40,40-50,50-60,60-70,70-80 and the frequencies are 12,16,26,28,38,22,15,7,4.					
4)	Calculate Karl Pearson's Coefficient of Skewness from the following data:	K3 (9)				
	Marks 0-10 10-20 20-30 30-40 40-50 50-60					
	No. of Students 12 18 27 20 17 6					
5)	Analyze real-world data and discuss the potential implications of a negative correlation.	K3 (9)				
6)	Utilize the least squares method to find the regression line for a given dataset.	K5 (10)				
7)	Calculate Rank correlation using the following data: X 6 2 10 4 8 Y 9 11 5 8 7	K4 (12)				
8)	The time taken (in minutes) to complete a homework by 8 students in a day are given by 38, 40, 47, 44, 46, 43, 49, 53. Find the coefficient of variation.					
9)	Examine a regression line and explain how well it fits the data points.					
10)	·					
	Class 0-10 10-20 20-30 30-40 40-50					