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School of Management and Business Studies
Department of Management
Odd Semester Examination – December 2025
BBA Semester I
Subject Name: Business Statistics and Logic – I
Subject Code: BBA-SE-07

Roll No...

Duration: 1.5 Hour

Max. Marks: 30

Section A - Short Answer

(4X3=12)

Note: Attempt any THREE Questions. All Questions carry equal marks.

- Q1. Differentiate between differential and inferential statistics with appropriate examples.
- Q2. Briefly explain the relevance of statistics in business and management.
- Q3. Compute the harmonic mean for the following data: 10,11,7,9,17,11,8,16.
- Q4. In a class, 40% of the students like Economics and 25% of students like Statistics and 15% like both the subjects. One student select at random, find the probability that he likes Statistics if it is known that he likes Economics.
- Q5. For the given data of a company, which one of the two variables, production or wages of the workers, has higher variation?

	Production	Wages
Total	38000	320000
Std. Deviation	76	512
No. of workers	100	

Section B-Long Answer

(9X2=18)

Note: Attempt any TWO Questions. All questions carry equal marks.

- Q1. Compute the standard deviation by taking deviation from mean for the following age distribution.

Age	10-20	20-30	30-40	40-50	50-60	60-70
No. of people	17	23	21	16	13	10

Q2. Calculate the Geometric Mean for the following Data.

Class	0-20	20-40	40-60	60-80	80-100	100-120
Frequency	13	15	25	20	17	10

Q3. Explain the concept of time series analysis along with its objectives, applications, and components.

Q4. Compute the median marks obtained by the students of a Class.

Marks	<30	30-40	40-50	50-60	60-70	70-80	80-90
No. of students	8	15	20	25	12	13	7

Q5. Calculate the mean deviation about mean for the following data.

Class Interval	0-20	20-40	40-60	60-80	80-100	100-120
Frequency	9	16	14	23	21	17
