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School of Management and Business Studies
Department of Management
B.Com - Semester I

Roll No.....

Odd Semester Examination - December 2025

Subject Name: Business Statistics and Logic - I

Marks: 30

Subject Code: BCH-SE-07

Duration: 1.5 Hour

Section A - Short Answer

(4X3=12)

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

- Q1. Discuss the relevance of statistics in business and management with some suitable examples.
- Q2. Three coins are tossed at once. Find out the probability that the toss of these coins will result in only heads.
- Q3. Calculate the median for the following data: 10,6,9,7,10,8,11,13,19,15.
- Q4. Differentiate between descriptive and inferential statistics with appropriate examples.
- Q5. Compute the harmonic mean for the following data: 7,9,10,12,11,13,5,17.

Section B-Long Answer

(9X2=18)

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

- Q1. Write detailed notes on the following: I. Skewness II. Kurtosis
- Q2. Calculate the standard deviation for the given distribution by taking deviation from mean.

Marks	20-30	30-40	40-50	50-60	60-70	70-80
No. of students	7	11	23	27	19	13

- Q3. Compute the geometric mean of people's age for the following data.

Age (Years)	10-20	20-30	30-40	40-50	50-60	60-70
No. of people	6	14	23	13	9	6

Q4. Calculate mean deviation about median for the following frequency distribution.

Class	0-20	20-40	40-60	60-80	80-100	100-120
Frequency	19	6	14	25	21	15

Q5. Compute the arithmetic mean of the given data using assumed mean method.

Class	20-40	40-60	60-80	80-100	100-120	120-140
Frequency	17	23	21	16	13	10
