INDIRA UNIVERSITY, PUNE

SCHOOL OF BUSINESS- BBA

Term End Examination (2025 Pattern) April- May – 2026- Semester – II

Course Name: Business Statistics **Max. Marks: 25**
Course Code: 25BBA209T **Time: 1:30 Hours**

Instructions

- All Questions are Compulsory.
- Use of Non programmable calculator is allowed.
- Draw the graphs on answer sheet itself by taking appropriate scale.

Q1. Attempt all the questions: (1 Mark each) **(5 Marks)** CO1

a) Write a formula for Arithmetic mean for discrete series.

b) Find the median of data: 7,9,12,6,7,5,3

c) List the types of classifications of data.

d) What is the mode of following observation?
7, 4, 5, 7, 3, 2, 7, 9, 5, 1, 7, 4, 1, 2, 5, 7, 9, 8, 7, 4, 3

e) Give one merit and one Demerit of Mean.

Q2. Solve any 2 out of 3 Questions: (5 Marks each) **(10 Marks)** CO5

a) Explain any four methods of Primary Data Collection.

b) Calculate the average sales per firms from the following data of sales of 100 firms using short cut (Assumed mean) method.

Sales	No. of Firms
10	13
13	19
14	30
19	16
25	14
28	8

c) Calculate the median for the following data.
44, -17, 13, 0, 21, -6, 30, 2, 15, 17

Q3.	**Solve any 2 out of 3 Questions: (5 Marks each)** **(10 Marks)**	CO6

a) A sample survey conducted in a city shows the number of people engaged in different vacations.

Types of Vacations	Number of people
Trading	18
Manufacturing	7
Government services	30
Private Services	24
Self Employed	12

Present these data through a single bar graph.

b) The following is the earning per share (in Rs.) earned by an investor from eight script.
18, 11, 16, 9, 15, 13, 17, 8
From these earning calculate variance, Standard deviation.

c) The following figures gives the demand and price figures for a commodity for 6 days. Calculate the correlation coefficient between price and demand.

Price	22	30	25	20	15	8
Demand	10	12	15	20	23	28

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