BCO-312

Sl.No. : **Total No. of Pages : 3**

Third Year B.Com. Degree Examination, May - 2026
(SLM Scheme)
BUSINESS STATISTICS AND QUANTITATIVE TECHNIQUES

Time : 3 Hours **Max. Marks : 80**

PART - A

Answer any four questions. Each question carries 5 Marks. **[4×5=20]**

Q1) What are the features of a good average?

Q2) State the parts of a Statistical Table.

Q3) Write a note on Simple Interest and Compound Interest.

Q4) Write a note on LPP.

Q5) If $A=\begin{bmatrix} 2 & -3 \\ 1 & 4 \end{bmatrix}$ find $2A+4A'$

Q6) A sum of ₹ 25,000 was borrowed @ 15% Compound Interest. What is the Compound Interest and amount repayable @ the end of 5^{th} year.

PART - B

Answer any three questions. Each question carries 10 Marks. **[3×10=30]**

Q7) A bill for ₹ 9,600 due after one year is discounted @ 18% p.a

Find a) Present value of the bill

b) Banker's Discount

c) True Discount

d) Banker's gain

Q8) Compute the Quartile Deviation and its co-efficient from the following data.

x	10-20	20-30	30-40	40-50	50-60	60-70	70-80
f	15	20	55	120	60	20	10

Q9) Construct the consumer price index number using

a) Aggregate Expenditure method

b) Family Budget method

Commodity	Quantity		Price	
	2023	2024	2023	2024
A	12	10	50	60
B	8	5	40	44
C	4	7	70	84
D	9	12	20	40
E	5	8	200	300

Q10) Define Matrix. Explain the types of matrices.

Q11) Briefly explain the methods of collecting primary data.

PART - C

Answer any two questions. Each carries 15 marks. **[2×15=30]**

Q12) Define Statistics. Explain the importance and scope of statistics.

Q13) Define set. Explain the difference types of set with examples.

Q14) Find the correlation Co-efficient from the following data using Karl Pearson's method.

X	150	190	210	200	80	50
Y	250	200	150	120	100	80

Q15) Following are the marks scored by two students Ram and Rahim in ten tests for 100 marks.

Ram:	40	80	76	48	52	72	68	56	60	56
Rahim:	48	75	54	60	63	69	72	51	72	60

Find who is more Consistent student?

