



6015/7015

**III Semester 5 Years B.B.A.LL.B./B.Com.LL.B.
Examination, January/February 2026 (Odd Sem.)
BUSINESS STATISTICS**

Duration : 3 Hours

Max. Marks : 80

- Instructions :**
1. Answer all 5 units.
 2. One essay type and one short note question or problem from each unit have to be attempted.
 3. Use simple calculator.

UNIT – I

- Q. No. 1. (a) Draw 'Less than ogive and more than ogive curves from the following data and also locate median value to verify the actual calculations.

Marks : 10

Class Interval	Frequency
10 – 50	10
50 – 100	30
100 – 150	50
150 – 200	40
200 – 2500	20

OR

- (a) Discuss the scope, functions and limitations of statistics.

Marks : 10

- Q. No. 1. (b) Prepare a black table to show the distribution of students of a college according to

Marks : 6

- I. Faculty : Arts, Commerce and Science
- II. Gender : Male and Female
- III. Year : 2009 and 2010.

OR

- (b) Write a short note on the components of good table.

Marks : 6

P.T.O.



Q. No. 2. (a) Calculate A.M. Median and Mode for the following frequency distribution.

Marks : 10

Class	Frequency
0 – 25	12
25 – 50	25
50 – 75	40
75 – 100	37
100 – 125	28
125 – 150	18

OR

(a) From the following data Mean, Median and Mode.

Marks : 10

Weight	58	60	61	62	63	64	65	66
No. of Students	4	12	24	32	32	16	08	02

Q. No. 2. (b) Find Harmonic mean.

Marks : 6

X	f
124	5
129	18
134	20
139	7
144	3

OR

(b) Calculate geometric mean from following data.

Marks : 6

Classes	f
0 – 10	05
10 – 20	07
20 – 30	15
30 – 40	25
40 – 50	08



UNIT – III

- Q. No. 3. (a) Calculate Co-efficient of variation from following data using Mean and Standard deviation.

Marks : 10

Class	Frequency
0 – 5	03
5 – 10	09
10 – 15	15
15 – 20	22
20 – 25	26
25 – 30	19
30 – 35	13
35 – 40	08

OR

- (a) Calculate coefficient of skewness based on quartiles for the following data

Marks : 10

Weight	90 – 100	100 – 110	110 – 120	120 – 130	130 – 140
Person	20	25	40	35	30

- Q. No. 3. (b) Define range. What are the merits of range ?

Marks : 6

OR

- (b) What do you mean by mean deviation and mention the merits and demerits of mean deviation ?

Marks : 6

UNIT – IV

- Q. No. 4. (a) Calculate the regression equations for the following data.

Marks : 10

X	1	2	3	4	5
Y	2	3	5	4	6

OR

- (a) Calculate Karl Person's co-efficient of correlation between Temperature and Germination time.

Marks : 10

Temperature	Germination time
57	10
42	26
40	30
38	41
42	29
45	27
42	27
44	19
40	18

Take 47 and 26 as assumed mean.



Q. No. 4. (b) What is Regression ? Explain the lines of regression.

Marks : 6

OR

(b) Write a short note on types of correlation.

Marks : 6

UNIT – V

Q. No. 5. (a) Calculate Laspeyre, Paasch's and Fisher's index for the following data and test that it satisfies FRT and TRT test.

Marks : 10

Commodities	Base Year		Current	
	Price	Quantity	Price	Quantity
A	12	10	20	12
B	4	20	4	24
C	9	12	12	15
D	12	15	24	02

OR

(a) Define index number explain different steps involved in the construction of index number.

Marks : 10

Q. No. 5. (b) Write a short note on Consumer Price Index.

Marks : 6

OR

(b) Construct cost of living index for 2009 from the given data taking 2005 as the base period.

Marks : 6

Group	Index for 2009	Weights
Food	122	32
House Rent	140	15
Cloth	112	18
Fuel	116	10
Miscellaneous	106	25