

B.B.A. (2010 COURSE) SEM- II : WINTER - 2017

SUBJECT : BUSINESS STATISTICS – I

Day : **Saturday**
Date : **18/11/2017**

W-2017-1559

Time **10.00 AM TO 01.00 PM**
Max. Marks : 70

N.B.

- 1) **Q.1 is COMPULSORY.**
- 2) Attempt any **FOUR** questions from Q.2 to Q.7.
- 3) Figures to the right indicate **FULL** marks.
- 4) Use of non-programmable **CALCULATOR** is allowed.

Q.1 What is Primary Data? Explain various data collection methods in brief. (14)

Q.2 Draw both the types of Ogive Curves for the following data: (14)

Profits (Rs. Lakhs)	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of Companies	5	10	15	30	20	10	5

Q.3 Calculate mean, median and mode for the following data: (14)

Classes	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	15	20	35	50	30	15	5

Q.4 Compute Laspeyre's, Paasche's and Fisher's Ideal Index numbers for the following data: (14)

Commodities	Base Year 1990		Current Year 2010	
	Price	Quantity	Price	Quantity
A	32	500	30	300
B	30	350	25	250
C	16	350	18	180
D	10	240	15	100

Q.5 Write short notes on **ANY TWO** of the following: (14)

- a) Scope of Statistics in business
- b) Types of Variation
- c) Importance of Index Numbers

Q.6 Prices of a particular item in 10 years in two cities are given below. Decide which city has more stable prices? (14)

City A	55	54	52	53	56	58	52	50	51	49
City B	108	107	105	105	106	107	104	103	104	101

Q.7 a) Write a note on : Control Charts. (07)

b) Find Quartile Deviation and its coefficient for the following data: (07)

Height (inches)	50-53	53-56	56-59	59-62	62-65	65-68
No. of Students	2	7	24	27	13	3