B.B.A. (2010 Course) Sem- II : SUMMER - 2019
SUBJECT : BUSINESS STATISTICS – I

Day : Saturday
Date : 27/04/2019

S-2019-2005

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 **a)** Define Statistics. Explain its scope in business. **(07)**

b) What is Statistical Enquiry? State the preliminary steps necessary for planning Statistical Enquiry.

Q.2 Calculate mean, median and mode for the following: **(14)**

Marks	5	10	15	20	25	30	35	40	45	50
No. of Students	20	43	75	76	72	45	39	9	8	6

Q.3 Draw Histogram and Frequency Polygon for the following data: **(14)**

Classes	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	6	8	10	15	13	8	5

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

Commodities	Base Year		Current Year	
	Quantity	Price	Quantity	Price
A	8	4	10	9
B	7	6	8	5
C	6	3	5	8
D	5	2	7	4

Q.5 Write short notes on **ANY TWO** of the following: **(14)**
a) Control Charts
b) Measures of dispersion
c) Index Numbers

Q.6 The following are the scores of Manoj and Rajeev for 8 innings of cricket match. **(14)**

Manoj	12	115	76	42	7	19	49	80
Rajeev	47	12	76	73	24	51	63	54

Decide who is more consistent in their performance.

Q.7 **a)** What is Primary Data? Explain primary data collection methods. **(07)**

b) Calculate Quartile Deviation for the following data: **(07)**

X	60	62	64	66	68	70	72
Y	12	16	18	20	15	13	8

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