Roll No. ....

Total No. of Questions : 07]   [Total No. of Pages : 02

BBA (Sem. - 3rd)
BUSINESS STATISTICS
SUBJECT CODE : BB - 304
Paper ID : [C0216]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours   Maximum Marks : 60

Instruction to Candidates:

1) Section - A is **Compulsory**.

2) Attempt any **Four** questions from Section - B.

Section - A

Q1)   (10 x 2 = 20)

a) What is quartile and deciles? Explain with examples.

b) Find the arithmetic mean of following series :

X :	10	20	30	40	50
F :	7	9	5	6	3

c) What are different probability rules?

d) Find the median of the following data :

X :	10	20	17	32	50	67	12

e) What are different characteristics of standard deviation?

f) What is time series analysis?

g) Find out harmonic mean of following individual series :
7, 23, 34, 45, 21, 3

h) What is probability? Define its subjective approach.

i) What is index number? What are its types?

j) Define pie chart. Explain pie chart with example.

R-328   *P.T.O.*

Section - B

(4 x 10 = 40)

Q2) What are different measures of central tendency? Explain their merits and demerits.

Q3) What is correlation? Explain its types. How it is different from regression?

Q4) What is normal distribution? How it is different from binomial and poision distribution? Explain with examples.

Q5) Calculate the coefficient of Correlation between X and Y

X :	1	3	4	5	7	8	10
Y :	2	6	8	10	14	16	20

Q6) Find standard deviation and C.V. for the following data :

X :	5	15	25	35	45	55
F :	12	18	27	20	17	6

Q7) Find the value of Harmonic mean and mode for the following data :

X :	4	5	6	7	8	9	10	11	12
F :	15	18	12	30	27	40	20	20	12

✢ ✢ ✢ ✢

R-328

2