

## Utorrent Statistics Sp Gupta Free Zip .pdf Book

Registration No :

Total Number of Pages : 02

IMBA  
16IMN103

1<sup>st</sup> Semester Regular / Back Examination 2018-19

BUSINESS STATISTICS

BRANCH : IMBA

Time : 3 Hours

Max Marks : 100

Q.CODE : E753

Answer Question No.I (Part-I) which is compulsory, any EIGHT from Part-II and any TWO from Part-III.

The figures in the right hand margin indicate marks.

Part - I

Q1 Short Answer Type Questions (Answer All-10) (2 x 10)

- If  $y=2+3x$  and mode of  $x$  is 15, find mode of  $y$ .
- The AM and GM for two observations are 5 and 4 respectively. Find the two observations.
- If there are two groups with 75 and 65 as harmonic means and containing 15 and 13 observations, then find combined HM.
- The sum of 10 observations is 110 and the sum of squares of observations is 2900, then find S.D.
- If mean and coefficient of variation of  $x$  are 10 and 40%, then find S.D.
- Two variables  $x$  &  $y$  are related by  $y=4x-7$ . If S.D of  $x$  is 2, find S.D of  $y$ .
- 3 coins are tossed at once. What is Prob. of getting at least 2 heads?
- Two dice are tossed at once. What is Prob. of getting the sum 10?
- One card is drawn from a pack of 52 cards. What is Prob. that the card drawn is either a heart or a diamond?
- If  $Q_1=25$ ,  $Q_3=75$  and coefficient of skewness = 0.4, find  $Q_2$ .

Part - II

Q2 Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (6 x 8)

- Prove that  $A.M \geq G.M \geq H.M$ .
- Find AM of the following distribution.

Marks	More than 0 and above	More than 5 and above	More than 10 and above	More than 15 and above	More than 20 and above
C.F	10	8	5	1	0

- Find missing figure from the following distribution, where median = 32.5

Marks	10-20	20-30	30-40	40-50	50-60
No. of Students	3	5	-	3	1

- Find coefficient of mean deviation about median for the following distribution

Weight (Kg)	40-50	50-60	60-70	70-80
No. of Persons	8	12	20	10

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