

BUSINESS STATISTICS : 2011

(Old and New Course - 108)

UNIT - 1

1. Define Statistics. What are the chief functions and limitations of statistics ?

OR

What is an ogive ? Draw more than ogive for the following data :

No. of plants in a quadrant	Frequency
0 - 10	4
10 - 20	9
20 - 30	15
30 - 40	30
40 - 50	18

UNIT - 2

2. What are the various measures of central tendencies ? Which one is the most widely used measure and why

OR

The following are the amounts of time (in minutes) which a person had to wait for the bus on 15 working days.

15, 10, 2, 17, 6, 8, 3, 10, 2, 9, 5, 9, 13, 1 and 10

Find : (a) the mean (b) the median (c) the mode and verify the empirical relationship between the mean, median and mode.

UNIT - 3

3. Calculate the Standard Deviation by using direct method, of the following frequency distribution :

Size (x)	4	5	6	7	8	9	10
Frequency	6	12	15	28	20	14	5

OR

State the meaning and purpose of coefficient of variation.

UNIT - 4

4. What is meant by Correlation ? Discuss the properties of Karl Pearson's coefficient of correlation.

OR

From the following data, calculate the coefficient of correlation between age of students and their playing habit :

Age (years)	15	16	17	18	19	20
No. of Students	250	200	150	120	100	80
Regular Players	200	150	90	48	30	12

UNIT - 5

5. What do you mean by Time Series ? What are its main components ?

OR

Write a detailed note on Index Numbers.

<http://prsuonline.com>

Whatsapp @ 9300930012

Your old paper & get 10/-

पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से

