Reg. No. : ....

Name : ....

**I Semester B.Com. Degree (C.B.C.S.S. – Supplementary)
Examination, November 2022
(2016 – 2018 Admissions)
Complementary Course
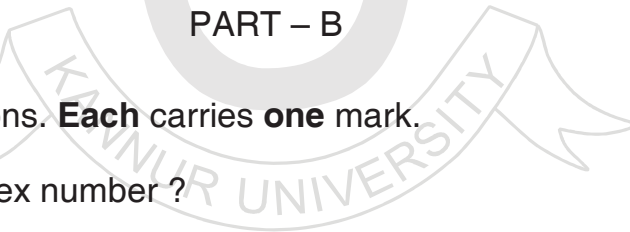1C01COM : BUSINESS STATISTICS**

Time : 3 Hours　　　　　　　　　　　　　　　　　　　　　　　Max. Marks : 40

PART – A

I. Answer **all** questions. **Each** carries ½ mark.

1) The most stable measure of Central tendency is

2) The first hand and unorganised form of data is called

3) The middle value of an ordered array of numbers is the

4) The headings for various columns are said to be　　　　　　　(4×½=2)

PART – B

II. Answer **four** questions. **Each** carries **one** mark.

5) What is price index number ?

6) What is meant by harmonic mean ?

7) What do you mean by frequency distribution ?

8) What is meant by classification of data ?

9) What is statistical investigation ?

10) What is an average ?　　　　　　　　　　　　　　　　　　　(4×1=4)

P.T.O.

PART – C

III. Answer **any six** questions (**not** exceeding **one** page). **Each** carries **three** marks.

11) What are the functions of statistics ?

12) What are the requisites of a good average ?

13) Explain various measures of dispersion.

14) In a survey of 35 families in a village, the number of children per family was recorded and the following data obtained :

1	0	2	3	4	5	6
7	2	3	4	0	2	5
8	4	5	12	6	3	2
7	6	5	4	3	7	8
9	7	9	4	5	4	3

Represent the data in the form of a discrete frequency distribution.

15) The average marks secured by 50 students were 44. Later on it was discovered that a score of 36 was taken as 56. Find the correct average.

16) Calculate the median from the following data.

5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	35 – 39
8	12	23	12	7	5	3

17) In the series given below, find the first and third quartiles.

2.   4.   6.   8.   10.   12.   14.   16.   18.   20.   22

18) The profits of a company for the last 8 years are given below. Calculate the range and its coefficient.

Year	2005	2006	2007	2008	2009	2010	2011	2012
Profit (In 000 Rs.)	40	30	80	100	115	85	210	230

(6×3=18)

PART – D

IV. Answer **any two** questions. **Each** carries **eight** marks.

19) What are the significance and properties of measuring dispersion ? Explain.

20) Calculate the mode from the following data :

Marks	No. of Students	Marks	No. of Students
Above0	80	Above 60	28
10	77	70	16
20	72	80	10
30	65	90	8
40	55	100	0
50	43		

21) From the following data construct an index for 1995 taking 1994 as base by the average of relatives method using Arithmetic mean :

Commodities	Price in 1994 (Rs.)	Price in 1995 (Rs.)
A	100	140
B	80	120
C	160	180
D	220	240
E	40	40

(2×8=16)

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