



K20U 3219

Reg. No. :

Name :



I Semester B.Com. Degree (CBCSS – Supplementary) Examination,
November 2020
(2014 – 2018 Admissions)
Complementary Course
1C01COM : BUSINESS STATISTICS

Time : 3 Hours

Max. Marks : 40

PART – A

I. Answer **all** questions. **Each** carries $\frac{1}{2}$ marks.

- 1) The number of items greater than _____ and number of items less than _____ are equal.
- 2) Combining two or more overlapping series of Index Numbers with different base years into one with a common base year is called _____
- 3) _____ is the difference between the highest and the lowest values in a series.
- 4) Fisher's index number is called ideal index number because it satisfies Time Reversal Test and _____ (4x $\frac{1}{2}$ =2)

PART – B

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

- 5) What do you mean by "tabulation of data" ?
- 6) What is geometric mean ?
- 7) What is an index number ?
- 8) What do you mean by frequency distribution ?
- 9) What do you mean by splicing of index number ?
- 10) Find mode : 5 10 15 20 10 25 10. (4x1=4)

P.T.O.



PART – C

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

- 11) What is classification of data ?
- 12) What are the requisites of a good average ?
- 13) What are the different types of measures of dispersion ?
- 14) Find median marks from the following data of marks secured by students in business statistics.
 - a) 17, 32, 35, 33, 15, 21, 41, 32, 11, 10, 20
 - b) 12, 6, 14, 16, 3, 11, 8, 4
- 15) Find the average salary of employees from the data given below :

Salary (more than)	0	10	20	30	40	50	60	70
	350	275	225	200	150	100	75	50

- 16) The shares of two companies have the following information.

	Mean	Standard Deviation
Company A	52.5	10.49
Company B	47.5	10.63

Examine which company's shares are better and which company's shares are more consistent.

- 17) What do you mean by consumer price index ?
- 18) Construct the cost of living index number from the following :

Group	A	B	C	D	E
Index	250	175	150	160	210
Weight	5	4	3	2	1

(6×3=18)



PART – D

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

19) Explain the functions and scope of statistics.

20) a) What is coefficient of variation ?

b) Price of a particular commodity in two cities for five seasons are given below :

	City A	20	22	17	23	26
Price	City B	10	20	18	12	15

Which city had more stable price ?

21) From the following find out price index number by Fisher's Ideal Index number.

Commodity	2013		2017	
	Price	Quantity	Price	Quantity
A	10	4	12	5
B	8	3	10	4
C	5	8	5	7
D	12	2	12	3
E	6	9	7	8

(2×8=16)
