



0032752



K19U 3219

Reg. No. : .....

Name : .....

I Semester B.com Degree (CBCSS- Supplementary/Improvement)  
Examination, November - 2019

(2014 - 2018 Admissions)

COMPLEMENTARY COURSE

1C01 COM : BUSINESS STATISTICS

Time : 3 Hours

Max. Marks : 40

**PART - A**

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

(4× $\frac{1}{2}$ =2)

1. Standard Deviation is the ----- of the variance.
2. Second Quartile is same as-----
3. Index number are expressed in-----
4. ----- is the better way to arrange data.

**PART - B**

Answer **four** questions. Each carries 1 Mark.

(4×1=4)

5. Define index number?
6. What are the four main function of a statistics?
7. Define central tendency.
8. Find range:  
2 5 12 22 17 9 4  
Range: 22 - 2 = 20
9. Define statistical unit.
10. Point out two characteristic of dispersion.

P.T.O.



## PART - C

Answer any **six** questions (not exceeding one page). Each carries **3** marks. **(6×3=18)**

11. Difference between fixed base and chain base method.
12. Discuss the limitation of statistics.
13. What is dispersion? Briefly explain various measure of dispersion.
14. Define geometric mean? State its merit and demerit.
15. The mean and standard deviation of the distribution are given below.

	A	B
No of items	50	40
Mean	63	54
SD	9	6

find the mean and SD of all of item taken together.
16. From the following series. Find out standard deviation.  
5 10 15 20 25 30 35
17. A person travels first 5Km at a speed of 10Km/hr another 3 Km at 8 km/hr and last 2 Km at 5 Km/hr. Find the average speed of his entire journey.
18. Calculate the median and mode of the height of a set of student (in inches) given below.  
14 16 14 22 13 15 24 12 23 14 20 17 21 14. If a group of student whose height are  
16 15 24 23 17 30. Join this group what is the median and mode of the combined group.



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**PART - D**

Answer any **two** questions. Each carries **8** marks. (2×8=16)

19. Define classification? Explain different type of classification?
20. Calculate fisher index and list whether it satisfies both time reversal and factor reversal test.

Commodity	Base price	Current price	Base qty	Current quantity
Rice	5	7	3	4
Milk	8	12	7	5
Fire wood	15	20	6	4
Sugar	16	8	3	4

21. Calculate MD about mean.

Class:	0-9	10-19	20-29	30-39	40-49	50-59
Frequency:	15	36	53	42	17	2

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