Reg. No. : ....

Name : ....

I Semester B.Com. Degree (CBCSS – Reg./Supple./Improv.) Examination, November 2018
Complementary Course
1C01COM : BUSINESS STATISTICS
(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 40

PART – A

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

1) _____ is a positional average.

2) The value of the variable which occurs most frequently in a distribution is called the _____

3) The AM of 12, 18, 14, 15, 16 is _____

4) _____ is the difference between the greatest (largest) and the smallest of the given values.

(4×½=2)

PART – B

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

5) What is harmonic mean ?

6) What is standard deviation ?

7) What do you mean by tabulation ?

8) Define statistics.

9) What is dispersion ?

10) Find mode

Size	:	7	9	13	19	24	28	32
No. of items	:	4	16	35	29	31	18	10

(4×1=4)

PART – C

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

11) What is time reversal test and factor reversal test ?

12) What do you mean by frequency distribution ?

13) What are the important functions of statistics ?

14) What are the essentials of a good average ?

15) Find Harmonic mean from the following marks obtained by five students in statistics 10, 15, 20, 25, 30.

16) In a moderately asymmetrical distribution Mean is 24.6 and Median 25.1. Find the value of Mode.

17) Calculate Standard Deviation of 42, 48, 50, 62, 65.

18) Find Range and Coefficient of Range from the following data.
    28, 32, 85, 34, 43, 12, 10, 18, 29.   (6×3=18)

PART – D

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

19) What is index numbers ? Discuss the problems in the construction of index numbers.

20) From the data given below calculate Laspeyer's and Pasche's index numbers and test whether they satisfies time reversal test.

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

21. The following data obtained from the budgets of a middle class family in Kannur city.

Expenses on	Food	Rent	Clothing	Fuel	Misc.
	35%	15%	20%	10%	20%
Price (2013)	145	30	65	30	40
Price (2016)	210	65	90	50	30

What changes the cost of living of 2016 as compared with 2013 are seen ?

(2×8=16)