



K17U 2575

Reg. No. : .....

Name : .....

I Semester B.Com. Degree (C.B.C.S.S. – Reg./Supple./Improv.)

Examination, November 2017

(2014 Admn. Onwards)

COMPLEMENTARY COURSE

1C01 COM : Business Statistics

Time : 3 Hours

Max. Marks : 40

PART – A

Answer **all** questions. **Each** carries  $1/2$  mark :

1. The relationship between AM, GM and HM is \_\_\_\_\_
2. Mean deviation is minimum about \_\_\_\_\_
3. An index number is a special type of \_\_\_\_\_
4. An arrangement of data in row and columns are called \_\_\_\_\_ (4x $1/2$ =2)

PART – B

Answer **four** questions. **Each** carries 1 mark :

5. The median of the variate value 11, 7, 6, 9, 12, 15, 19.
6. What is consumer price index number ?
7. What are the various method of studying dispersion ?

P.T.O.



8. Define sampling design.
9. Define classification.
10. Define coefficient of variation. (4×1=4)

### PART – C

Answer **any six** questions (**Not** exceeding **one** page). **Each** carries **3** marks :

11. Mean of 50 item was 80. It was discovered later that two items was wrongly taken as 23 and 24 in place of 32 and 42 respectively. Calculate correct mean.
12. Define median. State its merit and demerit.
13. From the following data, construct an index number of price under simple aggregative method for the year 2006, using 2005 as base year.

Commodity	Price in 2005	Price in 2006
Rice	30	45
Wheat	20	25
Coconut oil	10	12
Sugar	12	9

14. Define cost of living index number.
15. How will you calculate mean in case of continuous frequency distribution ?
16. What are the desirable properties of a dispersion ?
17. Find missing frequency, if AM is 28

Profit :	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
Ship :	12	18	27	?	17	6

18. Calculate mean deviation from median.

Weight :	60	61	62	63	65	70	75	80
No. of workers :	1	3	5	7	10	3	1	1

(6×3=18)



PART – D

Answer **any two** questions. **Each** carries **8** marks :

19. The following are the score of two batsman A and B in a series of 10 one day match :

**A :** 12    115    6    73    7    19    119    36    84    29

**B :** 47    12    76    42    4    51    37    48    133

1) Who is better run getter ?

2) Who is more consistent ?

20. Define tabulation of data. What are the rules for the construction of a good statistical data ?

21. From the following fixed base-index number calculate chain base indices.

**Year :**                    2000    2001    2002    2003    2004    2005

**Fixed base index :** 380    400    440    480    500    550                    (2×8=16)

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