



K16U 2526

Reg. No. :

Name :

**I Semester B.B.A./B.B.A.R.T.M./B.B.A.T.T.M. Degree (CCSS –
Reg./Supple./Improv.) Examination, November 2016
COMPLEMENTARY COURSE
1C01 BBA/BBA(RTM)/BBA(TTM) : Business Statistics
(2014 Admn. Onwards)**

Time : 3 Hours

Total Marks : 40

SECTION – A

Answer **all** the 4 questions. **Each** question carries $\frac{1}{2}$ mark :

1. What is variable ?
2. What is geographical classification ?
3. Explain class frequency.
4. What do you mean by simple bar diagram ?

$(4 \times \frac{1}{2} = 2)$

SECTION – B

Answer **any four** questions. **Each** question carries **one** mark.

5. What is Pie-diagram ?
6. What do you mean by more than ogive ?
7. Explain quartile deviation.
8. Find the value of median if mode = 9 and mean = 11.
9. Find Coefficient of correlation from the following :

X :	50	40	30	20	10
Y :	50	40	30	20	10

10. What is coefficient of Range ?

$(4 \times 1 = 4)$

SECTION – C

Answer **any six** questions. **Each** question carries **3** marks.

11. State the features of a good measure of dispersion.
12. State the merits of mode.

P.T.O.



13. What is coefficient of correlation ? Interpret the values of 'r'.
 14. What is Platy Kurtic curves ?
 15. Calculate the value of Median from the following :

Mark:	10-20	20-30	40-50	30-40	60-70	50-60
f :	8	12	9	7	5	7

16. From the following obtain regression equation of Y on X :

X :	6	9	12	5	8	14
Y :	5	20	15	12	9	11

17. Fit a linear trend equation to the following data and estimate the value of sales for the year 2015 :

Year :	2009	2010	2011	2012	2013
Sales Rs.:	100	120	140	160	180
(in lakhs)					

18. Calculate standard deviation from the following :

Age :	20-25	25-30	30-35	35-40	40-45	45-50
No. of persons :	170	110	80	45	40	35

(6×3=18)

SECTION - D

Answer **any two** questions. **Each** question carry **8** marks.

19. What are the limitations of Statistics ?
 20. For a moderately skewed data, the arithmetic mean is 200; the coefficient of variation is '8' and Karl Pearson's coefficient of skewness is 0.3. Find the mode and median.
 21. A market with 168 operating firms has the following distribution of average number of workers in various income groups.

Income group :	150-300	300-500	500-800	800-1200	1200-1800
No. of firms :	40	32	26	28	42
Average number of workers :	8	12	7.5	8.5	4

Find the average salary paid in the whole market.

(2×8=16)