K20U 3213

Reg. No. : ....

Name : ....

I Semester B.B.A./B.B.A.R.T.M./B.B.A.T.T.M. Degree
(CBCSS – Supplementary) Examination, November 2020
(2014-2018 Admissions)
Complementary Course
1C01BBA (TTM)/BBA/BBA(RTM) : BUSINESS STATISTICS

Time : 3 Hours

Max. Marks : 40

SECTION – A

Answer **all** questions. **Each** carries ½ mark.

1. What do you mean by attributes ?

2. What is concurrent deviation method of correlation ?

3. What do you mean by partial correlation ?

4. What do you mean by range ?

SECTION – B

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

5. Write a note on Geometric Mean.

6. Define statistics.

7. Write a note on symmetric distribution.

8. What are the difference between correlation and regression ?

9. Write a short note on demerits of rank correlation.

10. Give a brief description about uses of Lorentz curve.

P.T.O.

SECTION – C

Answer **any six** questions. **Each** carries **three** marks.

11. Calculate geometric mean from the following data.

    125 1462 38 7 0.22 0.08 12.75 0.5

12. Differentiate between Diagrams and Graphs.

13. Describe on the various types of bar diagrams.

14. The mean mark of 100 students were found to be 40. Later on it was discovered that a score of 53 was misread as 83. Find the correct mean corresponding to the correct score.

15. From the following data of the wage of 7 workers, compute the median wage.

    Wages : 14,100 14,150 16,080 17,120 15,200 16,160 17,400

16. Calculate standard deviation from the following :

    240, 260, 290, 245, 255, 288, 272, 263, 277, 251.

17. What are the limitations of moving average methods ?

18. The following table gives the details of monthly budget of a family. Represent these figures by a pie diagram.

Expenditure	Food	Clothing	House Rent	Fuel and Lighting	Miscellaneous	Total
Budget	600	100	400	100	300	1500

SECTION – D

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

19. Discuss the different sources of data collection and their merits and demerits.

20. The following table gives the indices of industrial production of registered unemployed (in hundred thousand). Calculate the value of the coefficient of correlation.

Year	2009	2010	2011	2012	2013	2014	2015	2016
Index of Production	100	102	104	107	105	112	103	99
Unemployed	15	12	13	11	12	12	19	26

21. Calculate the mean deviation and its co-efficient of the following :

Item	15500	16000	16200	17000	17500	18000	19000