

BBA

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K22U 3389

Reg. No. :

Name :

I Semester B.B.A./B.B.A. (RTM) Degree (CBCSS – OBE – Regular/
Supplementary/Improvement) Examination, November 2022
(2019 Admission Onwards)

COMPLEMENTARY ELECTIVE COURSE

1C01BBA/BBA (RTM) : Statistics for Business Decisions

Time : 3 Hours

Max. Marks : 40

PART – A

Answer **all** questions. **Each** question carries **1** mark.

1. What is a pictogram ?
2. Define correlation.
3. What is probable error ?
4. What is ogive ?
5. How one can compute the real income with the help of index number ?
6. Find correlation coefficient, if coefficient of determination is 0.81. (6×1=6)

PART – B

Answer **any 6** questions. **Each** question carries **2** marks.

7. State the conditions under which the moving average method gives the best estimate of the long run tendency of the data.
8. Briefly explain the uses of cost of living index.

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9. The following data represents the ranks given to ten employees by two performance appraisers. Find any correlation exists between the ranks given by the two appraisers.

Employees	01	02	03	04	05	06	07	08	09	10
Rank Given by Appraiser 1	1	2	3	4	5	6	7	8	9	10
Rank Given by Appraiser 2	1	3	2	4	6	5	9	8	10	7

10. Calculate cost of living index number.

Group	Index	Weight
Food	247	48
Fuel and Lighting	293	12
Clothing	289	9
Housing	100	12
Miscellaneous	236	15

11. $64x - 45y = 24$ (regression eq. y on x)
 $5x - y = 22$ (regression eq. x on y)
Find mean of X and Y series.
12. Why classification of data is important in statistical analysis ?
13. List the utilities of time series analysis.
14. What are the essential parts of a statistical table ? (6×2=12)

PART – C

Answer **any 4** questions. **Each** question carries **3** marks.

15. Construct Fisher's Price Index from the following data by taking 2015 as base year.

2015		2020	
Price	Value	Price	Value
50	500	40	480
80	480	70	770
60	180	50	200