**K25U 3417**

Reg. No. : ..................................

Name : ..................................

## First Semester B.B.A./B.B.A. (RTM)/B.B.A.(AAM) Degree (CBCSS – OBE – Supplementary) Examination, November 2025
### (2019 to 2023 Admissions)
### Complementary Elective Course
### IC01BBA/BBA(RTM/AAM) : STATISTICS FOR BUSINESS DECISIONS

Time : 3 Hours

Max. Marks : 40

### PART – A

I. Answer **all** questions in **one/two** sentences. **Each** question carries **1** mark.

1) What is meant by classification of data ?

2) What is histogram ?

3) What is meant by average ?

4) What is meant by scheduling ?

5) What is meant by variance ?

6) What is meant by bar diagram ?

(6×1=6)

### PART – B

II. Answer **any 6** questions **not** exceeding **one** paragraph. **Each** question carries **2** marks.

7) Write any four uses of index numbers.

8) Explain secular trend in time series.

9) What is meant by graphical presentation of data ?

10) What is meant by regression analysis ?

11) Write any two uses of standard deviation.

12) What is meant by distrust of statistics ?

13) What is meant by class boundaries ?

14) What is meant by descriptive statistics ?

(6×2=12)

## PART – C

III. Answer **any 4** questions **not** exceeding **one** page. **Each** question carries **3** marks.

15) Explain about different types of correlation.

16) Discuss about different stages in statistical investigation.

17) Why Fisher's method is called an ideal method of index number ?

18) Discuss about different types of tables.

19) The age of husbands and wives is given for 8 pairs. Calculate the co-efficient of correlation between the two variables using direct method.

| Age of husbands | 62 | 64 | 65 | 65 | 66 | 67 | 68 | 70 |
|---|---|---|---|---|---|---|---|---|
| Age of wives | 65 | 66 | 63 | 66 | 70 | 70 | 67 | 69 |

20) Construct chain index numbers from the link relatives given below.

| Year | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|---|---|---|---|---|
| Index Nos. | 100 | 105 | 95 | 115 | 102 |

(4×3=12)

## PART – D

IV. Answer **any 2** questions **not** exceeding **four** pages. **Each** question carries **5** marks.

21) Explain about the essentials of a good questionnaire.

22) Explain about the various components of time series.

23) Explain the various methods of constructing index numbers.

24) The following table shows the ages of (X) and blood pressure (Y) of 8 persons. Obtain the regression equations of Y on X and the expected blood pressure of a person who is 49 years old.

| X | 52 | 63 | 45 | 36 | 72 | 65 | 47 | 25 |
|---|---|---|---|---|---|---|---|---|
| Y | 62 | 53 | 51 | 25 | 79 | 43 | 60 | 33 |

(2×5=10)

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