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Avinashilingam Institute for Home Science and Higher Education for Women
Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD (now MoE)
Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test I – February 2026
II Semester

Class :I UG
Major :BBA

Time: 2 hours
Maximum Marks: 60

25BBAC06- Business Statistics and logic

Course Outcomes:

At the end of the course, students will:

1. Enhance Knowledge on the concept of statistics and the way of mobilizing data
2. Gain knowledge on the various methods of presenting data
3. Acquire skills in calculating basic statistical parameters independently
4. Assess the way of measuring the inter-relationship among variables
5. Interpret the calculated statistical indicators based on the acquired knowledge

Part - A

6 x 1 = 6

Choose the Correct Answer

- 1 Statistics is mainly concerned with CO1 K1
- a. Individual observations b Collection and analysis of numerical data.
c. Theoretical mathematics d. Algebraic expressions
2. Source of collecting secondary data is CO1 K1
a. Discrete data b. sample data c. published data d. census
3. Classification based on numerical values is known as CO1 K1
a. Qualitative classification b. Quantitative classification
c. Geographical classification d. Chronological classification
4. Multiple bar diagram is used to compare CO1 K3
a. One variable b. Two or more related variables c. Parts of a whole d. Continuous data
5. If two variables move in the same direction, the correlation is CO2 K1
a. Negative b. Zero c. Positive d. Perfect
6. Regression lines are CO3 K1
a. Always parallel b. Always perpendicular c. The same line d. Different but intersecting

Part - B

3 x 6 = 18

Answer ALL Questions

Each answer should not exceed 400 words or two pages

7. a. Explain the scope of statistics and its limitations in brief. CO1 K2
(or)
7. b. what are Ogive? State their uses. CO1 K1
8. a. The daily wages of 30 people in a locality are stated below.
Classify the data in the form of a discrete frequency distribution
1,2,4,5,4,6,11,12,14,6,15,18,12,11,15,20,21,22,24,20,2,4,14,34,23,15,16,22,10,12 CO1 K2
(or)
8. B.Explain in brief the types of tabulation with example.. CO1 K1
9. a. Calculate Karl Pearson's coefficient of correlation between the following series by using the direct method. CO2: K2

| | | | | | | | |
|---------------|----|----|----|----|----|----|----|
| Husband's Age | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| Wife's Age | 16 | 15 | 17 | 18 | 19 | 20 | 21 |

(or)

9. b. Distinguish between Primary and secondary data in detail

CO2K2

Part - C

3 x 12 = 36

Answer ALL questions

Each answer should not exceed 800 words or four pages

10. a. Explain the source of secondary data in detail with examples. CO1 K2

(or)

10. b. Explain the types of Diagram used to represent the data with examples. CO1 K2

11. a. construct a histogram. And calculate mean value. CO1K3

Marks obtaines: 0-10 10-20 20-30 30-40 40-50 50-60 60-70

Number of students: 16 20 25 30 18 10 8

(or)

11 b. Find out the Rank correlation for the below data CO2 K3

Maths: 29 32 53 47 45 32 70 45 70 53

Hindi: 56 60 72 48 72 35 67 67 75 31

12. a. Explain in detail about the correlation and Regression analysis with its application. CO2 K3

(or)

11. b. calculate the regression equation from the following data. CO3 K3

x 1 2 3 4 5

y 138 180 142 184 166

No. of Copies: 14

Staff in-charge: DR.B.Maheswari