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Reg. No.

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III Semester B.Voc.(RM.) Degree Examination, March/April - 2021

RETAIL MANAGEMENT

Statistics for Manager

CBCS Scheme (Freshers & Repeaters)

Paper - CO23 - 3.3

Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates:

Answers should be legibly in English only

SECTION - A

Answer any FIVE of the following.

(5×2=10)

1. a) Mention any two functions of statistics.
- b) What is secondary data?
- c) List any two types of diagrams.
- d) If $\bar{X} = 56$ and $\sigma = 12$ find CV
- e) What do you mean by exclusive series?
- f) State any two measures of dispersion.
- g) What do you mean by median?

SECTION - B

II. Answer any THREE of the following.

(3×6=18)

2. Explain briefly the parts of a statistical table
3. What is primary data? List out the methods of collecting primary data.
4. Calculate standard deviation from the following data
Size: 6 7 8 9 10 11 12
Frequency: 3 6 9 13 8 5 4
5. Out of 4,000 workers in a factory during the year 2020, 3,300 were members of trade union. The number of women workers were 500 out of which 400 did not belong to any union. In the year 2019, the number of members of trade union were 3,450 out of which 250 were women. The number of Non-union workers were 760 out of which 330 were women.

Present the above data in a tabular form.

6. Calculate Median from the following data.

Wages in '000 Rs.	5	7	8	10	11
	20	15	12	15	18



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25243

SECTION - C

III. Answer any **THREE** of the following.

(3×14=42)

7. From the following information find Arithmetic Mean and Mode.

CI: Below 20, 30, 40, 50, 60

f: 15 33 63 83 100

8. The runs scored by players A and B in the last 8 matches are given below. Which player should be selected based on consistency?

Runs scored by

A :48 50 55 60 65 45 63 70

B :33 35 80 70 100 15 42 25

9. Calculate Quartile Deviation and its coefficient from the following data.

CI :20-29 30-39 40-49 50-59 60-69 70-79

f : 14 24 38 20 10 4

10. Find Karl Pearson's coefficient of Skewness for the following data

CI :0-10 10-20 20-30 30-40 40-50 50-60 60-70 70-80

f : 6 12 22 48 56 32 18 6

11. Draw two ogives and locate Median from the following data and verify the results.

CI :0-10 10-20 20-30 30-40 40-50 50-60

f : 20 60 80 120 80 60

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