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Roll No. ....

224123

**2nd Year / Fin., Acc.& Aud., Buisness Management**  
**Subject : Business Statistics**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory  
(6x1=6)

- Q.1 Quartile deviation is equal to  
a)  $Q_1 - Q_3/2$       b)  $Q_1 + Q_3/2$   
c)  $Q_3 - Q_1/2$       d)  $Q_3 + Q_1/2$
- Q.2 Index number is used for:  
a) Fixed Price      b) Constant Price  
c) Forecasting      d) Different Price
- Q.3 The total of all the observations divided by the number of observations is called:  
a) Arithmetic Mean      b) Standard Deviation  
c) Mode      d) Median
- Q.4 What it is called when data source is collected from origin?  
a) Secondary data      b) Primary data  
c) Quantitative data      d) Qualitative data

Q.5 The square root of the average squared distance from the central value is :

- a) Variance                  b) Standard deviation
- c) Median                  d) Quartile Deviation

Q.6 What is the mode of the following numbers: 23, 45, 87, 40, 50, 40, 20, 22, 40

- a) 45                  b) 23
- c) 87                  d) 40

### **SECTION-B**

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Define Quartile deviation .

Q.8 Define median .

Q.9 Indirect oral investigation is used when the field of investigation is very limited (True/False)

Q.10 Most commonly used index number is Price index number (True/False )

Q.11 Statistics studies both qualitative quantitative variables.(True/False )

Q.12 Define Secondary data.

### **SECTION-C**

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 What are the main sources of secondary data.

Q.14 Explain the limitations of statistics.

Q.15 Explain the type of diagrams to present the data.

Q.16 What do you mean by presentation of data ?

Q.17 Explain standard deviation and variance.

Q.18 Explain the importance of statistics in business management.

Q.19 What are the essential of a good average?

Q.20 Explain the various methods of sampling .

Q.21 What do you mean by standard deviation and variance?

Q.22 Explain the uses of index number .

### **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Define primary data ? Enumerate the various methods of collecting primary data. Discuss the merits and demerits of any one of them .

Q.24 What do you mean by central tendency ? Explain the various measures of central tendency in detail.

Q.25 What do you mean by statistics ? Explain the features and scope of statistics in detail.