

Q.28 What do you mean by Range? Explain how to calculate Range?

Q.29 What are the limitations of statistics?

Q.30 Find the median of the following data:

92, 35, 67, 85, 72, 81, 56, 51, 42, 69

Q.31 What do you mean by secondary data?

Q.32 Explain average and standard deviation?

Q.33 Explain the essentials of good questionnaire?

Q.34 Explain Discrete and continuous series of Median?

Q.35 Explain quartile deviation?

#### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 Find the value of p for the following distribution whose mean is 16.6.

x:	8	12	15	p	20	25	30
f:	12	16	20	24	16	8	4

Also find Mode and Median?

Q.37 What do you mean by Primary data? What are the methods of data collection?

Q.38 What is Statistics? What are its limitations?

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### FAA, OMCA Subject:- Business Statistics - I

Time : 3Hrs.

M.M. : 100

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 Which of the following is a method of Secondary Data

- a) Direct personal investigation
- b) Direct oral investigation
- c) Collection of information through questionnaire
- d) None of these

Q.2 The first Stage of Statistical Study is..

- a) Analysis of Data
- b) Presentation of Data
- c) Organisation of Data
- d) Collection of Data

Q.3 The value of a variate that occur most often is called

- a) Median
- b) Mode
- c) Median
- d) None of these

Q.4 Qualities is type of

- a) Mathematical average
- b) Statistical average
- c) Partition Value
- d) None of these

- Q.5 Mode of 0,3,5,7,9,12 is :  
 a) 6                                      b) 12  
 c) 3                                        d) 5
- Q.6 The another name of the 'measure of central tendency' is called  
 a) Average                                b) Collection of data  
 c) Summation                            d) Regression
- Q.7 He is known as father of statistics:  
 a) Bowley                                b) Bodington  
 c) Gottfried Achenwall d) None of these
- Q.8 Statistics Is Both A Science As well As \_\_\_\_\_  
 According Prof. Topper.  
 a) Sociology                              b) Geography  
 c) English                                 d) An art
- Q.9 A grouping table has  
 a) 4 columns                              b) 6 columns  
 c) 8 columns                              d) None of these
- Q.10 The Mathematical average is also called  
 a) Median                                 b) Mode  
 c) Mean                                    d) Quartile

### SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Who do you refer as Investigator?  
 Q.12 What do you mean by Mode?

- Q.13 Write the formula to calculate Mode?  
 Q.14 Explain Quantitative Data?  
 Q.15 According to you who is the respondent?  
 Q.16 Write one method of data collection of secondary data?  
 Q.17 How to arrange data while finding Median (mode)?  
 Q.18 What do you mean by weighted Arithmetic mean ?  
 Q.19 What do you mean by variable?  
 Q.20 Write two methods of Data presentation?

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 What do you mean by Median?  
 Q.22 Write the types of Bar Diagrams?  
 Q.23 State the difference between Classification and tabulation?  
 Q.24 Find out the mode from the following data:  
 125, 175, 225, 125, 225, 175, 325, 125, 375, 225, 125  
 Q.25 What are the methods of collecting Primary Data? Explain?  
 Q.26 Find out the mode of the following marks obtained by 15 students in a class:  
 Marks: 4,6,5,7,9,8,10,4,7,6,5,9,8,7,7.  
 Q.27 What do you mean by Tables? Explain any two essentials of tabulation?