

**SAINT GITS COLLEGE OF APPLIED SCIENCES,**

**PATHAMUTTOM P.O, KOTTAYAM**

 **BA -FIRST SEMESTER**

**FIRST INTERNAL EXAM, SEP 2018**

**ELEMENTARY STATISTICS FOR ECONOMICS**

Time:2 hours maximum:50 marks

**SECTION A**

Answer all questions. Each question carries 1 mark

1. What are the applications of Statistics?
2. What is Tabulation
3. Find the median of 4, 45, 60, 20, 83, 19, 26, 11, 27, 12, 52.
4. Find Mode of the data 10, 12, 14, 12, 15, 15, 6, 12, 8, 17.
5. Find the range of 5, 8, 10, 12, 25, 30, 38.

 (5X1=5)

**PART B**

**Answer any 5 questions. Each question carries 2 marks.**

1. Differentiate SRSWR and SRSWOR.
2. What are the limitations of statistics?
3. differentiate primary data secondary data
4. criteria of a good questionnaire
5. Differentiate Questionnaire and schedule.
6. Mean marks obtained by 100 students was found to be 40.Later on it was noted that one value was read as 83 instead of 53.Find out the correct mean.

 (5x2=10)

**PART C**

**Answer any 6 questions, Each question carries 4 marks.**

1. Calculate mean

Size: 10-19, 20-29, 30-39, 40-49, 50-59, 60-69

F: 12 19 20 21 15 13

1. What are the methods of data collection.
2. Calculate median

 C I: 0-10 10-20, 20-30, 30-40, 40-50

 f: 5 3 7 25 20

1. What are the essentials of good questionnaire
2. What are the applicationsof statistics?
3. Draw greater than ogive

 Marks: 10-20 20-30 30-40 40-50 50-60

 f: 2 5 10 8 3

 (5X4=20)

**PART D**

**Answer any 1 question, each question carries 15 marks.**

1. Calculate mean, median and mode from the following data

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

F: 5 15 0 40 32 2

1. Find the missing frequencies with median=32.27 and sum of frequency=100

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

 F: 15 20 10 ---- 13 10 ------ 6

 (1X15=15)