SAINTGITS COLLEGE OF APPLIED SIENCES, PATHAMUTTOM P.O, KOTTAYAM

BA CORPORATE ECONOMICS-FIRST SEMESTER

FIRST INTERNAL EXAM,SEP 2015

**ELEMENTARY STATISTICS FOR ECONOMICS**

Time:2 hours maximum:50 marks

**SECTION A**

Answer all questions. Each question carries 1 mark

1. Define Sampling?
2. What are the theoretical basis of sampling?
3. Calculate 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 census method and sample survey method.
2. What are the functions of statistics?
3. differentiate primary data secondary data
4. Differentiate SRSWR and SRSWOR.
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 Median

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 A.M by short cut method.

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 limitations of statistics?
3. Draw less 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)