**SAINTGITS COLLEGE OF APPLIED SCIENCES**

**First internal assessment examination, September 2018**

**Department of BA , Semester 1**

Elementary Statistics for Economics-1

Total : **50 marks** Time: **2 Hours**

**Section A**

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

1 Differentiate Primary Data and Secondary Data.

2 functions of CSO

3. Differentiate frequency polygon and frequency curve.

4. What are the objectives of classification?

5 What is editing of data?

6. What are the stages of statistical investigation?

 **(5 X 2 = 10 marks)**

 **Section B**

*Short essay questions*

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

7. Differentiate Sampling and Non-sampling errors?

8. Differentiate Questionnaire and Schedule?

9. Draw a Histogram

|  |  |
| --- | --- |
| Class interval | frequency |
| 10-15 | 4 |
| 15-20 | 12 |
| 20-25 | 20 |
| 25-30 | 18 |
| 30-35 | 14 |

10. Draw frequency polygon

|  |  |
| --- | --- |
| Class interval | frequency |
| 10-15 | 4 |
| 15-20 | 8 |
| 20-25 | 18 |
| 25-30 | 30 |
| 30-35 | 20 |
| 35-40 | 10 |
| 40-45 | 5 |
| 45-50 | 2 |

11. Differentiate census method and sample survey method.

12. Differentiate SRSWR and SRSWOR

**(5 X 5 = 25 marks)**

 **Section C**

*Long essay questions*

*Answer any 1 question. It carries 15 marks.*

13. Draw 2 Ogives

|  |  |
| --- | --- |
| Class interval | frequency |
| 10-20 | 2 |
| 20-30 | 5 |
| 30-40 | 10 |
| 40-50 | 8 |
| 50-60 | 3 |

14. Explain probability based and non-probability based sampling techniques.

**(1 X 15 = 15 marks)**

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