

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA

LEVEL II BUMS – SECOND SEMESTER EXAMINATION – MAY 2018

RESEARCH METHODOLOGY AND BIO STATISTICS- II

COURSE CODE – TS 2202

Date: 07.06.2018

Time: 1 hour

(1.00p.m. – 2.00 p.m.)

Index No:

Answer all questions.

Calculators are permitted

Part I - Structured Questions

01. Explain the following concepts

1.1 Grouped data

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(04 Marks)

1.2 Secondary data

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(04 Marks)

1.3 Discrete data

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(04 Marks)

1.4 Frequency distribution

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(04 Marks)

1.5 Interval scale Data

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(04 Marks)

02. Define the following concepts

2.1 The Mode

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(04 Marks)

2.2 The Standard Deviation

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(04 Marks)

2.3 The Mean

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(04 Marks)

variance

(04 Marks)

2.5 Median

(04 Marks)

Part II - Essay Question

1) The following are age of children (in years) attending to a clinic in a hospital.

12	10	14	15	10	9	8	7	5	6
12	11	4	5	3	6	7	8	2	1
14	14	8	7	9	10	12	12	4	5
6	7	8	2	5	6	8	9	2	3
6	5	7	8	3	9	7	8	6	8

By using the given data; prepare the following:

- 1.1 A frequency distribution (10 Marks)
- 1.2 Relative frequency distribution (10 Marks)
- 1.3 Cumulative frequency distribution (10 Marks)
- 1.4 Cumulative relative frequency distribution (10 Marks)
- 1.5 A histogram (10 Marks)
- 1.6 A frequency polygon (10 Marks)

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