

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO

LEVEL II BUMS – SECOND SEMESTER EXAMINATION – MARCH 2019

RESEARCH METHODOLOGY AND BIO STATISTICS II

COURSE CODE – TS 2202

Date: 01.04.2019

Time: 1 hour

1.00 p.m. – 2.00 p.m.

Index No:

Answer all questions.

Calculator permitted

Part I - Structured Questions

1. Briefly explain the following concepts

1.1 Descriptive statistics

(05 Marks)

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1.2 Cumulative frequency

(05 Marks)

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1.3 The mean

(05 Marks)

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1.4 The standard deviation

(05 Marks)

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2. Explain the following concepts

2.1 Quantitative data

(05 Marks)

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2.2 Two way tables(cross tabulation)

(05 Marks)

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2.3 Correlation coefficient

(05 Marks)

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2.4 Pie chart

(05 Marks)

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1.1 A
1.2 Re
1.3 Co
1.4 Co
1.5 A
1.6 A

04.2019

Part II – Essay Question

1. The following figures are the ages of patients admitted to a hospital with various diseases.

18, 14, 16, 5, 6, 15, 14, 3, 22, 9, 17, 16, 1, 2, 3, 5, 11, 13, 15, 9, 12, 11, 7, 10, 9, 5, 16, 20, 4, 11, 3, 10, 3, 2, 1, 6, 9, 3, 7, 14, 8, 1, 4, 6, 4, 16, 24, 2, 1, 4, 6, 4, 15, 22, 24, 1, 4, 7, 1, 12, 3, 22, 4, 10, 6, 2, 2, 4, 14, 2, 2, 21, 3, 2, 1, 7, 22, 18, 24

By using the above 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)

04.2019
