

**INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA**

**LEVEL II BUMS - SECOND SEMESTER EXAMINATION - MARCH 2016**

**RESEARCH METHODOLOGY AND BIO STATISTIC**

**COURSE CODE - TS 2202**

**Time: 1 hour  
1.00 p.m. -2.00 p.m.**

**Index No:**

**Answer all questions.**

**Structured Questions**

01. Briefly explain followings terms used in Bio Statistics

1.1 Grouped data

(04 Marks)

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1.2 Pie chart

(04 Marks)

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1.3 Cross tabulation

(04 Marks)

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1.4 Scatter diagram

(04 Marks)

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1.5 Multiple line graph

(04 Marks)

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02. Explain the following concepts

2.1 The mean

(04 Marks)

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2.2 The median

(04 Marks)

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2.3 The mode

(04 Marks)

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2.4 Standard deviation

(04 Marks)

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2.5 Relative frequency

(04 Marks)

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### Essay Questions

01. The table presents data collected from 10 adult women attending to a high blood pressure clinic.

Patient No	Age	SBP
1	25	128
2	28	135
3	32	124
4	24	142
5	23	145
6	25	136
7	34	148
8	45	118
9	23	106
10	36	112

Table : Age and systolic blood pressure (SBP) of 10 women

By using the above data

- 1.1 Compute the correlation coefficient (20 Marks)
- 1.2 Draw a scatter diagram (20 Marks)
- 1.3 Interpret your findings (20 Marks)

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04.04.2016