

**INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA**  
**BAMS LEVEL II – FIRST SEMESTER EXAMINATION – NOVEMBER 2017**

**RESEARCH METHODOLOGY AND BIO STATISTIC - I**

**COURSE CODE – SW 2101**

**Date: 20.12.2017**  
**Time: 1 hour**  
**(9.00 a.m. – 10.00 a.m)**

**Answer all questions.**

**Index No**

**Part I - Structured Questions**

**1.**

**1.1 Define the word research.**

**(02 Marks)**

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**1.2 What is the scientific research?**

**(06 Marks)**

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d. Are these data skewed? If so how?

(02 Marks)

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**Part II - Essay Questions**

1.

1.1 Explain measures of dispersion.

(25 Marks)

1.2 Middle aged persons were encouraged to have their blood pressure checked on a given day by the Department of Swasthavritta Clinic at teaching hospital. The systolic blood pressure of the first 20 persons is recorded as follows;

120,118,152,160,150,134,125,145,135,139,

160,142,139,156,135,140,126,136,148,130.

a. Calculate the mean, the mode, and the median systolic blood pressure.

(15 Marks)

b. What is the range of the data set?

(05 Marks)

c. Compute the interquartile range.

(15 Marks)

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