

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA
BAMS LEVEL II - FIRST SEMESTER EXAMINATION – OCTOBER 2015
RESEARCH METHODOLOGY AND BIO STATISTICS – I

COURSE CODE – SW 2101

Time: 1 hour
9.00 a.m. – 10.00 a.m

Index No

Answer all questions.

Part I - Structured Questions

1. 1.1 What is the definition of the research? **(04 Marks)**

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1.2 What is the meaning of research methodology? **(04 Marks)**

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1.3 What are the differences between qualitative and quantitative methodologies? **(06 Marks)**

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1.4 Write down the steps in research process. **(06 Marks)**

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2. 2.1 What are the types in descriptive statistics? (04 Marks)

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2.2 How to measure the dispersion of data set? (04 Marks)

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2.3 How do calculate the mean of data set? (03 Marks)

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2.4 The following frequency table gives the height (in inches) of 65 students in a college. Complete the following grid. (09 Marks)

CI	f	Mid point	f(x)	f(x) ²
60-62	3			
62-64	18			
64-66	42			

UNIVERSITY OF COLOMBO RAJAGIRYA
BACCALAUREATE EXAMINATION - OCTOBER 2015
RESEARCH METHODS IN STATISTICS - I
STAT 2001 - 50 2101

Part II - Essay Question

1. Erythrocyte sedimentation rates of 12 subjects are given below;

7, 5, 3, 5, 4 7, 6, 4, 5, 8, 6, 7, 5.

- 1.1 Calculate the mean, the mode and the median. (15 Marks)
- 1.2 What is the range of data? (15 Marks)
- 1.3 Calculate the standard deviation. (20 Marks)
- 1.4 Are these data skewed? If so how? (10 Marks)

28.10.2015