

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA
BAMS LEVEL II – FIRST SEMESTER EXAMINATION – JUNE 2016
RESEARCH METHODOLOGY AND BIO STATISTIC
COURSE CODE – SW 2101

Time: 1 hour
07.07.2016
1.00 p.m. – 2.00 p.m

Answer all questions.

Index No

Part I - Structured Questions

01. i) What is the literature review? (02 Marks)

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ii) Why write the literature review? (03 Marks)

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iii) At a recent carom tournament, all 15 of the participants have to fill out a form that gave their names, address and age. The ages of the participants were recorded as follows,
25,26,24,28,23,30,22,26,25,27,24,25,23,21,22. (ages in years)

Construct a cumulative distribution table for these data. (15 Marks)

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02. i) Name modes of data collection. (08 Marks)

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ii) The following data represents the number of cars entering a gas station on Colombo for repairs between 10.00 a.m. and 11.00 a.m. in the last 10 days.

7,8,6,8,9,7,5,6, 5, 9.

a) Calculate the mean (04 Marks)

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b) Calculate the Standard deviation. (08 Marks)

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Part II - Essay Questions

- 1
- i) What is the meaning of Descriptive statistics? (10 Marks)
 - ii) Explain measures of central tendency. (10 Marks)
 - iii) The following are the scores for the mid-term exam given to 13 students in Statistics.
42, 42, 68, 80, 75, 54, 62, 89, 72, 80, 80, 75, 65.
 - a) Calculate the mean, mode and median. (15 Marks)
 - b) What is the range of the data set? (05 Marks)
 - c) Compute the standard deviation. (20 Marks)
