MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2013/2014

FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF MASTER OF EDUCATION IN SPECIAL NEEDS EDUCATION

(KISE)

EDU 801: RESEARCH METHODS I

Date: 1st May, 2014   *Time*: 9.00 – 12noon

INSTRUCTIONS:

- Answer QUESTION ONE and ANY OTHER TWO questions.

Answer question one and any other two questions.

Q 1 a, Describe any three popular ways of defining the centre of a distribution, and use the following numbers; 20, 30, 40, 70, 90, to compute and illustrate your response, (20 Marks).

Q2 In your own words explain the following research terms:

a, Descriptive research design (7Marks).

b, Experimental research design (7Marks).

c, Qualitative research (6 Marks).

Q3 a) What is the population standard deviation, (10 Marks)
b) Explain the formula used to compute the standard deviation (10 Marks)

Q4 Describe average absolute deviation and write the symbolical formula, (20Marks)

Q5 The coach of the University swimming team is evaluating three swimmers for the final spot on the team. He has asked three swimmers to compete in five 100 meter free style races and these were the results:

Swimmer #1: 62.1, 61.8, 63.2, 62.9, 61.7 seconds

Swimmer #2: 62.5, 61.9, 62.8, 63.0, 60.7 seconds

Swimmer #3: 61.9, 61.9, 62.9, 63.7, 61.5 seconds

Which swimmer would the couch choose to represent the University (20 Marks)?

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