



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE &
TECHNOLOGY UNIVERSITY EXAMINATIONS 2012/2013**

**1ST YEAR 1ST SEMESTER EXAMINATION FOR THE MASTER
IN EDUCATION (SPECIAL NEEDS EDUCATION)**

(SCHOOL BASED - MAIN)

COURSE CODE: EDU 801

COURSE TITLE: RESEARCH METHODS I

DATE: 28/8/13

TIME: 9.00 – 12.00 NOON

DURATION: 3 HOURS

INSTRUCTIONS

- 1. This paper contains five (5) questions.**
- 2. Answer any three questions.**
- 3. Write all answer in the booklet provided.**

1. (a) Distinguish between qualitative and quantitative research paradigm. (10 marks)
(b) Compare and contrast between basic and applied research using suitable examples. (10 marks)
2. Describe the major characteristics of educational research. (20 marks)
3. Discuss the characteristics and the use of four tools of data collection in educational research. (20 marks)
4. The data below relates to scores collected on from high school students in mathematics
45,33,56,57,33,25,67,89,29,74,21,65,82,54,53,48,49,72,72,34,53,26,57,64,43,56,43,76,78,82,
86,56,67,67,42
 - a) It is assumed that the theoretical mean is 67 points Test this hypothesis at 90% and 95% confidence intervals respectively. (12 marks)
 - b) Also test the mean at 59, 63, 73 and 85% significance level. (8marks)
5. . Discuss factors to consider in selection of a problem in educational research.