



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE
AND TECHNOLOGY**

UNIVERSITY EXAMINATION 2012/2013

**1ST YEAR 2ND SEMESTER EXAMINATION FOR THE DEGREE
OF MSC IN INFORMATION TECHNOLOGY MANAGEMENT**

KISUMU LEARNING CENTRE

COURSE CODE: ICT 5125

TITLE: RESEARCH METHODS

DATE: 15/4/2013

TIME: 9.00-12.00NOON

DURATION: 3 HOURS

INSTRUCTIONS

- 1. This paper contains FIVE (5) questions**
- 2. Answer question 1 (Compulsory) and ANY other 2 Questions**
- 3. Write all answers in the booklet provided**

1. a) Explain the meaning of the term research? (4 marks)
b) Outline the four main ideas involved in planning of research. (16 marks)
2. Provide a brief summary on how validity and reliability may affect the outcome of your research. (20 marks)
3. a) Using an example distinguish between *end of text* reference and *within text reference* in a research report. (5 marks)
b) Describe the purposes of literature review in a research (15marks)
4. Identify a suitable research topic and use it to;
 - a) develop a research statement, (2 marks)
 - b) three research questions, and (9 marks)
 - c) three objectives that suits your statement (9 marks)
5. a) Mean, Mode and Median are the different approaches to obtaining average of a sample in a research, considering the set of data that follows; select the best approach for computing the average and provide a supporting reason for your answer.
12, 4, 16, 16, 16, 17, 17 (7marks)
b) With the aid of an example briefly explain why *mean* for a sample population may not always be a good representative measure for the sample in a research (7marks)
c) In three different experiments to on two different variables, the following correlation coefficient values were computed; 0.012, 0.76 and +0.894. Provide an interpretation for each of the computed values. (6marks)