JARAMOGI OGINGA ODINGA UNIVERSITY
OF SCIENCE AND TECHNOLOGY
SCHOOL OF EDUCATION
EXAMINATION FOR THE MASTER OF EDUCATION
(EARLY CHILDHOOD DEVELOPMENT EDUCATION)

COURSE CODE: EEC 801

COURSE TITLE: RESEARCH METHODS IN EARLY CHILDHOOD DEVELOPMENT EDUCATION

DATE: 22/4/2013   TIME: 9.00-11.00AM

DURATION: 3 HOURS

<u>INSTRUCTIONS</u>

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).(i).   What is a research proposal?   (2 marks)
     (ii).   Explain three functions of a research proposal   (6 marks)

   (b).(i).   State any two precautions to consider when conducting research among
              Children   (2 marks)
      (ii).   Explain three conditions for generating a research problem (3 marks)

   (c). (i).   What is sampling?   (2 marks)
      (ii).   Describe the steps followed in selecting a representative sample
              from a given population   (5 marks)

   (d). (i).   State any two types of descriptive research   (2 marks)
       (ii).   Give two characteristics of experimental research   (2 marks)

2.   Using a suitable illustration in each case, explain the following
         terms as used in research

         (a).   Variable   (3 marks)
         (b).   In-text referencing   (3 marks)
         (c).   Sampling fraction   (3 marks)
         (d).   Ordinal scale   (3 marks)
         (e).   Population   (3 marks)
         (f).   Closed ended item   (3 marks)

3. (a). Explain four characteristics of a good research problem in early childhood
         development education   (8 marks)
   (b). Explain five sources of generating a research problem in early childhood development
         education   (10
         marks)

4. (a). Describe four steps in conducting a literature search   (4 marks)
   (b). Explain four purposes of literature review in research   (4 marks)
   (c). Compare between using the questionnaire and observation as tools for collecting data
         from children   (10 marks)

5. (a). Describe four factors that may determine choice of data analysis method in educational
         research   (8 marks)
   (b). Define fundamental research   (2 marks)
   (c). Explain four limitations of fundamental research in education   (8 marks)