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

**SCHOOL OF EDUCATION**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF MASTER OF EDUCATION (GUIDANCE AND COUNSELLING)**

**1ST YEAR 2ND SEMESTER 2013/2014 ACADEMIC YEAR**

# CENTRE: MAIN REGULAR

**COURSE CODE:  EDU 802**

**COURSE TITLE:  MEASUREMENT AND EVALUATION**

**EXAM VENUE:**                                    **STREAM:  BEd. (Arts)**

**DATE:**                                               **EXAM SESSION:**

**TIME:  3 HOURS**

**Instructions:**

1. Answer  question 1 (Compulsory) and ANY other 2 questions
2. Candidates are advised not to write on the question paper.
3. Candidates must hand in their answer booklets to the invigilator while in the examination room.

1.(a).   What is measurement?  Explain the levels of measurement.                    (10 marks)

   (b).   Outline five functions of evaluation.                                       (10 marks)


2.  Validity and reliability are important qualities of a test that should be considered when constructing/selecting a test in social sciences.  How would you ascertain these qualities?
                                                                                      (20 marks)

3.(a)  What is Item analysis?  Clearly elaborate the procedure you would use to ascertain item Analysis in a norm referenced test.                                              (10 marks)

   (b).  Essay testing is largely subjective.  Explain 5 ways through which you can enhance Objectivity while scoring essay tests.                                              (10 marks)


4.Explain the three domains of educational objectives as outlined by Benjamin bloom.
.                                                                                     (20 marks)

5.(a)  The following are the scores of 40 psychology students in research methods examination.  Use the information to answer the questions below:

   **42, 88, 37, 75, 98, 90, 73, 62, 96, 80, 52, 76, 66, 54, 73, 69, 83, 62, 50, 79, 69, 56, 81, 70, 52, 65, 49, 80, 67, 59, 88, 44, 71, 72, 87, 91, 82, 89, 79.**

   (i)       Using a class interval of 5, prepare a cumulative frequency distribution table.
                                                                                      (4 marks)
   (ii)      Construct a histogram and a frequency polygon.  Comment on the skewness of the students' performance.

   (b)   the scores in a psychology class were normally distributed with a mean score of 76 and a standard deviation of 12.

   (i)       Compute the Z score for the score of 70 on the test
   (ii)      Compute the Z score for the score 94 o the test\
   (iii)     Compute the proportion of Scores in the distribution fall between 70 and 94.
   (iv)      If the total number of scores (N) is 50 how many scores below 70?
   (v)       If the total number of scores (N) was 150, how many scores lie between 70 and 94.                                                                                    (10 marks)


**Appendix:  Table of Area of Unit of Normal Distribution**