JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE AGRICULTURAL EXTENSION EDUCATION

SECOND YEAR FIRST SEMESTER 2017/2018 ACADEMIC YEAR

REGULAR

COURSE CODE: PSY 3410

COURSE TITLE: EDUCATIONAL TEST AND MEASUREMENT

EXAM VENUE:AUDITORIUM   **STREAM: BSc (Agricultural Extension**

Education)

DATE: 15/12/17   **EXAM SESSION: 2.00 – 4.00PM**

TIME: 2.00 HOURS

Instructions:

1. **Answer ALL question in Section A (compulsory) and ANY other TWO questions in Section B.**

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.**

SECTION A (COMPULSARY) 30 MARKS

QUESTION 1

a) Explain the following terms.
   i. Summative evaluation   (2 marks)
   ii. Measurement   (2 marks)
   iii. Assessment   (2 marks)
b) Explain four instructional purposes of educational evaluation.   (12 marks)
c) Discuss four factors that determine the choice of testing method   (12marks).

SECTION B (40 MARKS)

ANSWER ANY TWO QUESTIONS FROM THIS SECTION

QUESTION TWO

a) Explain four qualities of a good test item.   (8 marks)
b) Explain the main steps involved in a test specification.   (12 marks)

QUESTION THREE

a) Briefly discuss four demerits of public examination to learners.   (8 marks)
b) Explain the methods of assessment used to test theoretical and practical knowledge in
   learners.   (12 marks)

QUESTION FOUR

(a) In a class of 40 students, responces to an item in a test were summarized in the following
    table.

    Groups   Alternatives
          A   B   C   D   E
    Upper   0   0   20 0   0
    Lower   4   2   8   3   3

    If alternative C is the correct response, calculate the discrimination index (20 marks)

(b) Explain five practical skills that can be tested in biology (10 marks)

QUESTION 5

a) Explain how scaling theory is important in education (10 marks)
b) Outline any five examples of ordinal scale   (10 marks)