



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**THIRD YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE
OF BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION EDUCATION**

2016/2017 ACADEMIC YEAR

REGULAR

COURSE CODE: PSY 3410

COURSE TITLE: EDUCATION TEST MEASUREMENT AND EVALUATION

EXAM VENUE: LR 6

STREAM: BSc. (Agricultural Extension Education)

DATE: 13/12/16

EXAM SESSION: 11.00 – 1.00PM

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and ANY other 2 Questions in section B.**
- 2. Candidates are advised not to write on question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A [30 MARKS]

Answer ALL questions from this Section.

- I. a) Explain the following terms
- i. Test (1mark)
 - ii. Measurement (1 mark)
 - iii. Evaluation (1mark)
 - iv. Standard error of measurement (1mark)
- b) State five functions of measurement in the classroom (5 marks)
- c) Explain the purpose of test and measurement as related to education setting (8 marks)
- d) Explain how an examiner can calculate item discrimination index (5marks)
- e) Identify and explain any four measurement techniques most commonly used to determine student achievement (8 marks)

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section.

Question 2

- a) Explain the purpose of educational evaluation (12 marks)
- b) State four qualities of an educational programme (8 marks)

Question 3

Explain the main steps in test specification (20 marks)

Question 4

- a) Explain what you understand by two-way classification grid (10 marks)
- b) How can you use classification grid to write a test in your area of specialization (10 marks)

Question 5

- b) Explain how scaling is useful in education (10marks)
- c) State any five examples of ordinal scale (10 marks)