

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



**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR  
OF EDUCATION (ARTS AND SCIENCE)**

**MARANDA EDUCATION CENTRE**

**COURSE CODE: PSY 410**

**COURSE TITLE: EDUCATIONAL TESTS AND MEASUREMENT**

**YEAR 4 SEMESTER 2**

**SCHOOL BASED (SEPTEMBER-DECEMBER, 2016)**

**DATE:**

**TIME:**

**DURATION: 2HOURS**

**INSTRUCTIONS**

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

### **Question One**

- a) Explain the following terms
  - i. Mode (1mark)
  - ii. Item discrimination index (1mark)
  - iii. Power test (1mark)
  - iv. Validity (1mark)
- a) With relevant example in each, explain the difference between measurement and evaluation (4 marks)
- b) Explain four advantages of using evaluation and assessment of students' learning in institutions (8marks)
- c) Explain four roles of objectives in educational assessment (8 marks)
- d) Explain three advantages of teacher made tests (6marks)

### **Question Two**

- a) State four scales of measurement (4marks)
- b) Explain three methods of establishing reliability of a test (6marks)
- c) Explain any five categories of the cognitive domain (10marks)

### **Question Three**

- a) The following were scores of a student in a test: 12, 16, 8, 6, 10, 14, 8, and 6
  - i) Determine the mean (2marks)
  - ii) Calculate the variance (10marks)
  - iii) Calculate the standard deviation (4marks)
- b) Explain two approaches to awarding of grades (4marks)

### **Question Four**

- a) With reference to the Kenyan Examination , discuss any five unethical practices in the way examinations are managed or handled (10marks)
- b) Explain five measures that can be taken to minimize the unethical practices in exam management (10marks)

### **Question Five**

- a) Explain the steps involved in test development (20marks)

