



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY

SCHOOL OF EDUCATION

**UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF
EDUCATION ARTS/SCIENCE/SNE WITH IT**

YEAR 4 SEMESTER 1

END SEMESTER EXAMINATIONS

MARANDA EDUCATION CENTRE

SCHOOL BASED

COURSE CODE: PSY 410

COURSE TITLE: EDUCATIONAL TESTS AND MEASUREMENTS

APRIL, 2017

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) Define the following terms
- i) power test (1marks)
 - ii) validity (1marks)
 - iii) psychomotor domain (1marks)
- b) Distinguish between measurement and evaluation(4 marks)
- c) Briefly explain four roles of objectives in educational assessment (8 marks)
- d) In a class of 8 students, the following scores were achieved in a mathematics and physics examination.

Student No	1	2	3	4	5	6	7	8
Marks in Physics	52	63	54	32	72	45	68	22
Marks in Maths	62	58	51	25	79	46	65	30

From the above data

- i) Compute the Pearson Product Moment Correlation coefficient for the two sets of scores(12marks)
- ii) Interpret the r scores(1mark)
- f) In a class of 60 students, 24 of them got an item right. Calculate the difficulty index for that item (2marks)

Question Two

- a) State the four scales of measurement (4marks)
- b) Explain three methods of establishing reliability of a test (6marks)
- c) Explain five advantages of using evaluation and assessment of students' learning in various institutions (10marks)

Question Three

Discuss six categories of cognitive domain in educational objectives (20marks)

Question Four

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

Question Five

- a) Outline five advantages of oral tests (5marks)
- b) List and explain the steps involved in test development (15marks)