



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF EDUCATION

DEPARTMENT OF PSYCHOLOGY

**UNIVERSITY EXAMINATION FOR THE DEGREE OF MASTER OF EDUCATION IN
EDUCATIONAL PSYCHOLOGY**

1ST YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR

KISUMU CAMPUS

UNIT CODE: EDU 802

COURSE NAME: MEASUREMENT AND EVALUATION

EXAM VENUE: KISUMU CAMPUS

EXAM SESSION: DECEMBER 2017

TIME: 3 HOURS

INSTRUCTIONS

ANSWER QUESTION ONE (compulsory) AND ANY OTHER TWO QUESTIONS

1. a(i) In a second year psychology class, the following students were given depression test and anxiety test and their scores were as follows:

Subject	Depression Test Score	Anxiety Test Score
1	43	99
2	21	65
3	25	79
4	42	75
5	57	87
6	59	81
7	32	79
8	25	67
9	54	72
10	13	43
11	34	67
12	26	51
13	37	61

Using Pearson product moment correlation, determine the relationship between the two tests scores (12mks)

- (ii) Interpret the value of correlation coefficient obtained (1mk)

b Explain the following concepts:

- (i) Distractor analysis
- (ii) Item discrimination index
- (iii) Item difficulty index (7mks)

2. Discuss the Item Response Theory under the following headings

- (i) Basic components
- (ii) Advantages
- (iii) How it affects candidates (20mks)

3. With relevant examples, explain the levels of measurement (20mks).
4. Discuss the forms of test reliability (20mks)
5. Discuss the various forms of validity (20mks)

END