

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

**SCHOOL OF EDUCATION**

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

**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2016/2017 ACADEMIC YEAR**

**SPECIAL RE-SIT EXAMINATIONS**

**MAIN CAMPUS**

**COURSE CODE : PSY 410**

**COURSE TITLE : EDUCATIONAL TESTS AND MEASUREMENTS**

**TIME: 2 HRS**

**INSTRUCTIONS**

Answer question **ONE** (COMPULSORY) and any other **TWO** questions.

1(a). Differentiate between measurement and evaluation (2mks).

(b) in a psychology test, self-esteem and life satisfaction of 15 students were measured using questionnaires and the results are as indicated in the table below.

no	Self esteem	Life satisfaction
1	34	8
2	30	6
3	21	10
4	43	6
5	23	7
6	13	8
7	14	9
8	24	21
9	25	8
10	34	8
11	10	9
12	8	10
13	13	4
14	12	8
15	13	12

Determine the correlation between self-esteem and life satisfaction using Spearman Rank Correlation. Interpret the value of  $r$ . (14mks).

(c) Highlight functions of evaluation (4mks)

2. Analyze four methods of determining reliability of instruments (20mks).

3. (a) Define the term item analysis (2mks)

(b) Explain the four levels of measurement (12mks)

(c) Explain two indicators of item analysis (6mks).

4. Examine, with relevant examples, the four levels of measurement (20mks).

5. Explain the classical test theory, analyze its weakness and strengths (20mks).

**END**