



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF EDUCATION
UNIVERSITY DRAFT EXAMINATION FOR BACHELOR OF EDUCATION
2018/2019 ACADEMIC YEAR Y4 S1**

CENTRE: KISII CAMPUS

COURSE CODE: PSY 410

COURSE TITLE: TESTS AND MEASUREMENT

EXAM VENUE:

DATE: 13/08/19

TIME: 2 HOURS

EXAMINATION SESSION: 9.00 – 11.00am

Instructions:

1. Answer question 1 (**Compulsory**) and **ANY** other 2 questions.
2. Candidates are advised not to write on the question paper.
3. Candidates **MUST** hand in their answer booklets to the invigilator while in the examination room.

Question 1

a) Define the following terms:

- i. Test validity (2 marks)
- ii. Item analysis (2 marks)
- iii. Test piloting (2 marks)
- iv. Variance (2 marks)
- v. Descriptive statistics (2 marks)

b) Briefly discuss problems associated with grading on a normal curve. (10 marks)

Question 2

a) With an example Explain Grade Point Average. (6 marks)

b) Discuss three forms of assessment. (9 marks)

c) State five ways of increasing test reliability. (5 marks)

Question 3

The following scores were obtained by students in form 4 science test.

56 51 15 45 20 35 25 31 30

i. Calculate the variance (S^2). (8 marks)

ii. Calculate the Z-score. (12 marks)

Question 4

Explain the process of test construction. (20 marks)

Question 5

The following scores were obtained by students in a spelling test.

2 5 0 1 2 2 7 0 6 2 3 1 4 5 2 1 1 3 2 1 0 4 2
3 0 1 2 3 4 1

a) Define mode. (2 marks)

b) Calculate the mode. (2 marks)

c) State the disadvantages of the mode. (6 marks)

d) briefly discuss item difficulty in a test. (10 marks)