

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF
MASTERS OF SCIENCE IN AGRICULTURAL EDUCATION**

AGED 812: EDUCATIONAL MEASUREMENTS AND EVALUATION

STREAMS: MSC (AGED) P/T

TIME: 3 HOURS

DAY/DATE: TUESDAY 03/12/2019

2.30 PM – 5.30 PM

INSTRUCTIONS:

- **Answer Question One and any other Three Questions**
- **Do not write on the question paper**

1. (a) Explain the meaning of the following terms; [4 marks]
 - (i) Measurements
 - (ii) Evaluation
 - (iii) Examination
 - (iv) Testing

- (b) Discuss four reasons to justify study of measurements and evaluation in education. [8 marks]

- (c) Discuss the four types of measurement scales and give examples of each. [8 marks]

- (d) State five characteristics of a good test. [5 marks]

2. (a) Mr Ezen is a teacher who had the following scores for his students. 20, 19, 15, 20, 23, 16, 18, 20, 24,10
 - (i) Guide him to calculate:
 - (I) Mean (%) [2 marks]
 - (II) Median [1 mark]
 - (III) The range (%) [1 mark]

- may
marks]
- (ii) A student reported to his parents that he had obtained a score of 50 in a mathematics test. State three possible misconceptions the parents make about the performance. [3
- (b) Discuss four types of test formats. [8 marks]
3. (a) Explain five factors to consider during test construction. [10 marks]
- (b) Discuss five principles of evaluation. [5 marks]
4. (a) Explain the following methods used in selection of test items indicating whether they are qualitative or quantitative. [10
marks]
- (i) Purposive sampling
(ii) Quota method
(iii) Convenient method
(iv) Systematic random sampling
(v) Stratified random sampling
- (b) Discuss the process of a test administration. [5 marks]
5. (a) Discuss the following types of validity.
(i) Criterion related validity. [2 marks]
(ii) Construct validity [1 mark]
(iii) Content validity [1 mark]
(iv) Predictive validity [1 mark]
- (b) Explain five reasons why it is important to have a table of specification when preparing a test. [10
marks]
-