

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE  
OF BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION

AGED 222: MEASUREMENT AND EVALUATION IN AGRICULTURAL EDUCATION

STREAMS: BSC (AGED) Y2S2

TIME: 2 HOURS

DAY/DATE: THURSDAY 06/04/2020

2.30 P.M. – 4.30 P.M.

**INSTRUCTIONS:**

- Answer questions ONE and any other THREE questions
- Do not write anything on the question paper

- Distinguish between the following terms as applied in measurement and evaluation. [8 marks]
    - Discrimination power and item difficulty
    - Test and examination
    - Evaluation and measurement
    - Item validation and item analysis
  - Describe the steps followed in the consultation of a table of specification. [7 marks]
  - Explain the factors that influence the validity of teacher made tests. [6 marks]
  - Examine the importance of objective test items in an examination [4 marks]
- Describe three methods of estimating the reliability of a test. [9 marks]
  - Explain six characteristics of standardized tests [6 marks]
- Explain three methods of interpreting test scores [9 marks]
  - Explain the importance of item analysis [6 marks]
- Explain three suggestions of constructing good essay questions. [6 marks]
  - Explain four common errors made by teachers when testing [4 marks]
    - Explain five factors considered in selecting a test format [5 marks]

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5. (a) Explain the classification of evaluation procedures based on evaluation method [9 marks]
- (b) Explain the following scales of measurement
- (i) Interval scale [3 marks]
- (ii) Ratio scale [3 marks]
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