



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

SECOND YEAR SECOND SEMESTER EXAMINATION FOR
BACHELOR OF SCIENCE (AGRICULTURAL EDUCATION AND EXTENSION)
AEE 222: MEASUREMENTS AND EVALUATION IN AGED AND EXTENSION

DATE: 7/12/2021

TIME: 2.00-4.00 PM

INSTRUCTION TO CANDIDATES: Answer ALL questions from Section A and any other TWO from Section B:

SECTION A: COMPULSORY

QUESTION ONE (30 MARKS)

- a) Differentiate between the following terms used in measurement and evaluation
- i) Examination and testing (2 marks)
 - ii) Measurement and assessment (2 marks)
 - iii) Reliability and validity (2 marks)
- b) Explain SIX limitations associated with essay exams (6 marks)
- c) Explain FOUR reasons of preparing a marking scheme in test construction (4 marks)
- d) Describe FIVE characteristics of a good test (5 marks)
- e) i) Explain the meaning of a test table of specification (3 marks)
- ii) Plan for a form two agriculture test on vegetable growing with a total possible score of 50 marks and a duration of one hour (6 marks)

SECTION B (40 MARKS) ANSWER ANY OTHER TWO QUESTIONS FROM THIS SECTION

QUESTION TWO (20 MARKS)

Giving one example in each case, describe how learning objectives can be classified in the following domains of learning

- a) Psychomotor domain (5 marks)
- b) Affective domain (5 marks)
- c) Cognitive domain (10 marks)

QUESTION THREE (20 MARKS)

- a) Describe the procedure of writing a marking scheme for agricultural project work (6 marks)
- b) Explain seven guidelines followed when setting a multiple-choice items (7 marks)
- c) In a multiple-choice test with four options on every item, a student guessed on all 80 items and scored 20%. Calculate his correct score that would take care of the guesswork (7 marks)

QUESTION FOUR (20MARKS)

- a) Discuss the history of examinations in Kenya between 1963-1973 (10 marks)
- b) Explain the procedure that should be followed in administering a test (10 marks)

QUESTION FIVE (20 MARKS)

In a class of 40 students, students obtained the following marks in agriculture

29	15	3	30	29	15	36	18	40	40	10	15
13	19	25	6	2	7	43	39	6	8	8	18
36	38	10	40	28	24	14	41	30	8	23	13
16	6	23	9								

- a) Using appropriate class intervals, group the students' marks and show their group frequencies (5 marks)
- b) Calculate the mean mark for the class (5 marks)
- c) Construct
- i. a histogram using the grouped frequencies (4 marks)
 - ii. Frequency polygon for the data of scores provided (4 marks)
- d) Comment about performance of the class in Agriculture (2 marks)