



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

SECOND YEAR SEMESTER ONE EXAMINATION FOR
BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

AEE 211: AGRICULTURAL COMMUNICATION TECHNOLOGY

TIME: 8/12/2021

DATE: 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 a white board and a smart board. (2 marks)
- b) Explain the meaning of the following Chinese proverb that relates to agricultural communication "I hear I forget; I see I remember and I do I understand" (3 marks)
- c) In the graph paper provided, draw a sketch of a pig. Using the grid method enlarge the sketch to a scale of 1:2 (6 marks)
- d) Describe FOUR characteristics of a well stated instructional objective (2 marks)
- e) Explain SIX criteria for good graphics (6 marks)
- f) Explain FIVE reasons that make use of realia ideal for learning agriculture (5 marks)
- g) Describe SIX ways of ensuring effective use of a chalkboard (6 marks)

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

QUESTION TWO (20 MARKS)

- a) Explain the procedure of preserving insects and weeds for learning purposes. (6 marks)
- b) Explain SIX stages involved in creating a documentary script (12 marks)

QUESTION THREE (20 MARKS)

- a) Giving one example in each case, explain the three broad categories of barriers to effective communication during class instruction. (8 marks)
- b) Explain SIX factors that should be considered for effective use of realia and models during class instruction (12 marks)

QUESTION FOUR (20 MARKS)

- a) Giving one example in each case, describe FOUR ways of reinforcing students by the teacher during classroom instruction. (8 marks)
- b) Explain Edgar Dale's cone of experience in relation to abstraction of teaching/learning resources . (12 marks)

QUESTION FIVE (20 MARKS)

- a) Describe TWO ways on ensuring effectiveness in power point presentations (2 marks)
- b) Explain the use of ASSURE model in ensuring effective planning of teaching and learning resources (6 marks)
- c) Describe SIX factors that influence improvisation of media for teaching and learning purposes. (12 marks)