



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

THIRD YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (AGRICULTURAL EDUCATION AND EXTENSION)

AEE 332: PRINCIPLES OF AGRICULTURAL 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) Describe TWO functions of agricultural extension education (2 marks)
- b) Describe the following techniques used in participatory rural appraisal extension approach
- i. Focus Group Discussion (4 marks)
 - ii. Transect walk (4 marks)
 - iii. Resource mapping and modelling (4 marks)
 - iv. Pairwise Ranking Matrix (4 marks)
- c) (i) Explain the meaning of agricultural extension campaigns (2 marks)
- (ii) Explain FOUR advantages of conducting extension campaigns (4 marks)
- d) Differentiate between monitoring and evaluation of agricultural extension programmes (6 marks)

SECTION B: ANSWER ANY TWO QUESTIONS FROM THIS SECTION

QUESTION TWO (20 MARKS)

Discuss TEN agricultural extension principles that should guide extension workers in their professional career

QUESTION THREE (20 MARKS)

- a) Describe TWO indicators used in monitoring extension programmes (4 marks)
- b) Explain SIX factors that affect privatization of agricultural extension in Kenya. (16 marks)

QUESTION FOUR (20 MARKS)

- a) Describe FOUR individual methods of teaching in agricultural extension (8 marks)
- b) Explain SIX stages involved in agricultural Extension process (12 marks)

QUESTION FIVE (20 MARKS)

- a) Describe FOUR problems affecting Agricultural extension in Kenya. (8 marks)
- b) Explain **SIX** factors to consider when selecting extension teaching methods. (12 marks)