



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (AGRICULTURAL EDUCATION AND EXTENSION)

AAE 332: PRINCIPLES OF AGRICULTURAL EXTENSION

DATE: 16/8/2021

TIME: 2.00-4.00 PM

INSTRUCTIONS:

Answer *ALL* questions from Section A and any other *TWO* from Section B:

SECTION A: COMPULSORY: (30 MARKS)

QUESTION ONE (30 MARKS)

- a) Explain the meaning of agricultural extension principles (2 marks)
- b) Describe four ways of evaluating an extension programme (4 marks)
- c) Giving three examples in each case, differentiate between public extension and private extension (6 marks)
- d) Explain Three roles of government in a pluralistic extension service (6 marks)
- e) Explain three ways of ensuring sustainability of financing extension services in Kenya (6 marks)
- f) Explain three extension factors that contribute to under performance in the agricultural sector (6 marks)

QUESTION TWO (20 MARKS)

- a) Explain Five individual methods of training a farmer (10 marks)
- b) Explain the characteristics that distinguishes extension from other forms of adult education (10 marks)

QUESTION THREE (20 MARKS)

- a) Explain Five extension approaches used in agricultural extension (10 marks)
- b) Explain five stages involved in the Agricultural extension process. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Explain any Three changing trends in agricultural extension (6 marks)
- b) Explain three challenges facing agricultural extension (6 marks)
- c) Describe four factors to consider when selecting extension teaching methods (8 marks)

QUESTION FIVE (20 MARKS)

- a) Explain Five problems affecting agricultural extension in Kenya (10 marks)
- b) Discuss any ten agricultural extension principles that guide extension workers. (10 marks)