



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)
University Examinations for 2015/2016 Academic Year

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

**FIRST SEMESTER EXAMINATION FOR DEGREE IN BACHELOR OF SCIENCE IN
AGRICULTURAL EDUCATION AND EXTENSION**

KEE 301: EXTENSION EDUCATION AND PROGRAMME DEVELOPMENT

Date:

Time: 2hrs

INSTRUCTIONS:

Answer ALL questions in section A and ANY TWO questions in section B

SECTION A: (COMPULSORY) 30 MARKS

- a) Explain the following terminologies
- i) Agricultural Extension
 - ii) Extension Method
 - iii) Extension Communication
 - iv) Extension Programme Planning (4 marks)
- b) Explain the two dimensions of agricultural extension education (4 marks)
- i) Explain three (3) characteristics of agricultural extension (6 marks)
 - ii) Explain two roles of extension education (4 marks)
- c) Describe three (3) principles of agricultural extension education (6 marks)
- d) Explain three (3) importance of an Agricultural Extension Programme. (6 marks)

SECTION B: ANSWER ANY OTHER TWO QUESTIONS (40 MARKS)

QUESTION TWO

- a) Describe the categories of extension teaching methods (6 marks)
- b) Explain the factors to consider when determining the effectiveness of an extension teaching method. (14 marks)

QUESTION THREE

- a) Explain the meaning of situation analysis as used in the context of extension programme development (2 marks)
- b) Explain the rationale for conducting situation analysis (14 marks)
- c) Describe three (3) methods that can be used in needs priority setting. (4 marks)

QUESTION FOUR

- a) Explain the significance of extension communication (8 marks)
- b) Explain the elements of extension communication process (12 marks)

QUESTION FIVE

- a) Distinguish between Monitoring and Evaluation? (5 marks)
- b) Describe five (5) types of evaluation that can be conducted on an extension programme (15 marks)