



**MACHAKOS UNIVERSITY**

University Examinations for 2018/2019 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION  
SUPPLEMENTARY EXAMS

**FOURTH YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF  
BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION**

**AEE 433: EXTENSION PROGRAMME PLANNING AND IMPLEMENTATION**

**TIME:**

**DATE:**

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

**SECTION A: COMPULSORY: (30 MARKS)**

**QUESTION ONE**

- i) Differentiate the following terms as used in extension planning and implementation
  - a) Portfolio report and Milestone reports; **(4 Marks)**
  - b) Extension communication and Extension education; **(4 Marks)**
  - c) Programme Planning and Programme implementation; **(4 Marks)**
  - d) Horizontal coordination and Vertical coordination; **(4 Marks)**
  - e) Formative evaluation and Summative evaluation; **(4 Marks)**
- ii) Explain five key objectives of need assessment **(10 Marks)**

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

**QUESTION TWO**

A dairy project in Githuguri Sub-county was being analysed for its inefficiency by an extension officer. Using an illustration demonstrate a critical path model to identify factors causing inefficiencies in the project. **(20 marks)**

**QUESTION THREE**

- i) Discuss the following extension teaching methods
- a) Group methods; **(5marks)**
  - b) Demonstration methods. **(5 marks)**
- ii). Elaborate five factors you will consider in need assessment if you wish to engage the youth to participate in farming activities in Kenya. **(10 marks)**

**QUESTION FOUR**

- a) Discuss the importance of involving stakeholders in programme planning. **(10 marks)**
- b) Explain five principles of outcome focused planning. **(10 marks)**

**QUESTION FIVE**

An extension worker planning to initiate a tree nurseries programme among the youth in Kitui County. Discuss the stages he/she will follow in planning the programme. **(20 marks)**