



# MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

.....YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR  
BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION  
AEE 433: EXTENSION PROGRAMME PLANNING AND IMPLEMENTATION

DATE:

TIME:

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## INSTRUCTIONS:

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

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

#### QUESTION ONE (30 MARKS)

- i) Differentiate the following terms as used in extension planning and implementation
- |      |  |           |
|------|--|-----------|
| i.   | Portfolio report and Milestone reports;            | (4 marks) |
| ii.  | Extension communication and Extension education;   | (4 marks) |
| iii. | Programme Planning and Programme implementation;   | (4 marks) |
| iv.  | Horizontal coordination and Vertical coordination; | (4 marks) |
| v.   | 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 (20 MARKS)

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 (20 MARKS)**

- i) Discuss the following extension teaching methods
  - i. Group methods; (5 marks)
  - ii. 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 (20 MARKS)**

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

**QUESTION FIVE (20 MARKS)**

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