



# MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRIBUSINESS MANAGEMENT AND TRADE

FOURTH YEAR SPECIAL/ SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

AEE 433: EXTENSION PROGRAMME PLANNING AND IMPLEMENTATION

DATE: 18/01/2021

TIME: 2.00-4.00 PM

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## INSTRUCTIONS:

Answer question one and any other two questions

### SECTION A:

#### QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Explain the difference between monitoring and evaluation in extension programmes (2 marks)
- b) Explain the components of an extension programme (8 marks)
- c) i). Explain four key features in agricultural extension programme (8 marks)  
ii). Giving examples, explain four extension methods (4 marks)
- d) Explain four reasons for extension programme planning (8 marks)

### SECTION B: ANSWER ANY TWO QUESTIONS FROM THIS SECTION

#### QUESTION TWO (20 MARKS)

- a) Explain five principles involved in programme planning (10 marks)
- b) Describe five situations that necessitate an extension agent to organise individual visit (10 marks)

#### QUESTION THREE (20 MARKS)

- a) Explain five approaches used in monitoring extension programmes (10 marks)
- b) Discuss five concepts used in extension programme planning (10 marks)

#### QUESTION FOUR (20 MARKS)

- a) Discuss five approaches used to involve stakeholders in extension programme planning (10 marks)
- b) Describe four methods used in extension programme and implementation (10 marks)

**QUESTION FIVE (20 MARKS)**

- a) Explain five uses of Gantt charts in programme planning and management (10 marks)
- b) Explain five principles of programme monitoring (10 marks)