



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

AEE 433: EXTENSION PROGRAMME PLANNING AND IMPLEMENTATION

DATE: 30/4/2019

TIME: 2:00 – 4:00 PM

INSTRUCTION:

Answer Question One and Any Other Two Questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Differentiate the following as used in extension planning and implementation
- i) Extension and extension programme; (4 marks)
 - ii) Extension monitoring and extension evaluation; (4 marks)
 - iii) Programme Planning and programme implementation; (4 marks)
 - iv) Formative evaluation and summative evaluation; (4 marks)
 - v) Horizontal coordination and vertical coordination; (4 marks)
- b) Discuss five approaches of extension programme evaluation (10 marks)

QUESTION TWO (20 MARKS)

ICT has played a critical role in evolution of modern agriculture in Kenya. Using relevant examples discuss ten ways in which farmers can use ICT in agricultural production and marketing.

QUESTION THREE (20 MARKS)

- a) Explain five ways that can be used to improve the functioning of groups and the quality of their outcomes (10 marks)
- b) Discuss five features of each of the following plans
- i) Standard plans (5 marks)
 - ii) Contract plans (5 marks)

QUESTION FOUR (20 MARKS)

List four characteristics of each of the following types of reports

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| a) | Portfolio report; | (4 marks) |
| b) | Milestone reports; | (4 marks) |
| c) | Project tracking reports; | (4 marks) |
| d) | Task completion reports; | (4 marks) |
| e) | Project status report. | (4 marks) |

QUESTION FIVE (20 MARKS)

An extension officer working with Kenya seed company, wish to undertake a project on breeding of new variety of maize in eastern region. Using a logical frame work matrix indicate how he/she will implement the project.