



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

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

AEE 332: PRINCIPLES OF AGRICULTURAL EXTENSION

DATE: 17/4/2019

TIME: 8:30 – 10:30 AM

INSTRUCTIONS:

ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Explain five roles of extension workers (5 marks)
- b) Describe characteristics of the following extension approaches
 - i) Training and Visit (3 marks)
 - ii) University organized extension approach (3 marks)
 - iii) Commodity focused extension approach (3 marks)
- c) Explain two main functions of extension education (4 marks)
- d) Differentiate the following terms as used in principals of extension
 - i) Results demonstration and method demonstration (2 marks)
 - ii) Extension education and extension process (2 marks)
- e) Explain five emerging issues affecting extension service provision (5 marks)
- f) Describe any three factors considered when selecting extension teaching methods (3 marks)

QUESTION TWO (20 MARKS)

Assuming you are an extension officer working with KTDA. Explain ten principles that should guide you in your work.

QUESTION THREE (20 MARKS)

- a) Explain three advantages of the following types of extension teaching aids;
- i) Presentation visuals, (3 marks)
 - ii) Projected visuals. (3 marks)
- b) Agriculture sector has been a dynamic field in terms of service delivery. From the statement discuss five changing trends in extension activities. (5 marks)
- c) Describe advantages and disadvantages of the following the following mass methods of extensions
- i) Radio (3 marks)
 - ii) Print media (4 marks)

QUESTION FOUR (20 MARKS)

- a) Assuming, that you are an extension officer implementing an extension programme in Lamu County. Explain at least five questions that will guide the evaluation process of the project you are implementing (10 marks)
- b) The key role of involving farmers in extension work is to identify the gap between what is what ought to be. Describe the process of carrying out participatory rural appraisals (10 marks)

QUESTION FIVE (20 MARKS)

- a) Using relevant examples explain five challenges of devolving extension services to county governments. (10 marks)
- b) Describe advantages of the following teaching methods
- i) Face to face meetings (3 marks)
 - ii) Telephone calls (2 marks)
 - iii) Emails (2 marks)
 - iv) Farm & home visits (3 marks)