



**MERU UNIVERSITY COLLEGE  
OF SCIENCE & TECHNOLOGY**

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**University Examinations 2011/2012**

**SECOND YEAR, SECOND SEMESTER EXAMINATION FOR DIPLOMA IN  
AGRICULTURE**

**AGR 0224: PRINCIPLES OF AGRICULTURE EXTENTSION**

**DATE: DECEMBER 2011**

**TIME: 1½ HOURS**

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**INSTRUCTIONS:** *Answer question one and any other two questions*

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**QUESTION ONE – (30 MARKS)**

- (a) What is Agricultural Extension? (2 Marks)
- (b) Explain the meaning of the following terms:
  - (i) Extension intervention
  - (ii) Vulgarization
  - (iii) Extension as a system of out-of-school education
  - (iv) Contact farmer (8 Marks)
- (c) Briefly describe the history and origin of Agricultural Extension and give an account of how it infiltrated into Kenya. (6 Marks)
- (d) Explain the cardinal principles of Agricultural extension. (10 Marks)
- (e) Differentiate between result and method demonstration. (4 Marks)

**QUESTION TWO – (15 MARKS)**

- (a) Compare and contrast the Train and Visit (T&V) extension approach and conventional and traditional extension approach. (6 Marks)
- (b) Explain the advantages and disadvantages of commodity based development extension approach. (5 Marks)
- (c) In view of the individual contact extension teaching methods, explain how you can enhance effectiveness as an extension worker. (4 Marks)

**QUESTION THREE – (15 MARKS)**

- (a) Explain the factors that are considered when selecting mass contact extension teaching method. (6 Marks)
- (b) Explain the extension communication flow from the extension officer to the farmer and back again. (5 Marks)
- (c) Explain the advantages of using audio-visual medium of communication. (4 Marks)

**QUESTION FOUR – (15 MARKS)**

- (a) Outline the role and the function of agricultural extension in rural development. (6 Marks)
- (b) What are the objectives of individual method in extension teaching? (5 Marks)
- (c) Explain the advantages of farm and home visit. (F.V) (4 Marks)

**QUESTION FIVE – (15 MARKS)**

- (a) Outline the role and duties of an extension worker, in the rural area. (6 Marks)
- (b) Explain the preparation procedures for conducting an extension meeting with the farmers. (5 Marks)
- (c) Agricultural extension support has not been felt especially by the rural farmers at the local level. What are the courses of this problem and how can it be solved. (4 Marks)