



# MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF AGRICULTURE AND ENVIRONMENTAL SCIENCE  
DEPARTMENT OF AGRI-BUSINESS MANAGEMENT AL STUDIES

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR  
BACHELOR OF SCIENCE IN AGRI-BUSINESS MANAGEMENT

**KST 408: AGRICULTURAL EXTENSION AND RURAL DEVELOPMENT**

**DATE: 3/8/2017**

**TIME: 8:30 – 10:30 AM**

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## INSTRUCTIONS:

Answer question One (Compulsory) and any other two (2) questions

## SECTION A: (COMPULSORY)

### QUESTION ONE (30 MARKS)

- a) Define the following terms:
- (i) Agricultural extension (2 marks)
  - (ii) Agricultural Extension Service Delivery (2 marks)
  - (iii) Rural transformation (2 marks)
- b)
- (i) Differentiate between diffusion and adoption of a technology or an innovation (3 marks)
  - (ii) How does early majority differ from early adopters? (6 marks)
- c)
- (i) What is the primary focus of agricultural extension? (2 marks)
  - (ii) Using examples, explain the rationale for agricultural extension to developing countries like Kenya? (4 marks)
- d)
- (i) Explain three challenges faced by extension agents and farmers in extension service provision. (3 marks)
  - (ii) Outline Six key guiding questions in project monitoring and evaluation? (3 marks)
- e) Explain why communication is an integral part of extension service provision. (3 marks)

**SECTION B: ANSWER ANY TWO (2) QUESTIONS FROM THIS SECTION (40 MARKS)**

**QUESTION TWO (20 MARKS)**

- a) Describe and illustrate the five adopter categories of a technology or innovation. (12 marks)
- b) Explain the six stages of technology or innovation adoption process. (8 marks)

**QUESTION THREE (20 MARKS)**

- a) Describe the resultant effects of decentralization strategy for rural transformation? (4 marks)
- b) Explain the conservation theory and state the weaknesses associated the theory. (8 marks)
- c) Describe 4 project evaluation approaches. (8 marks)

**QUESTION FOUR (20 MARKS)**

- a) Describe 5 factors that affect effective extension service delivery in developing countries like Kenya. (10 marks)
- b) Describe the five general phases of a project. (10 marks)

**QUESTION FIVE (20 MARKS)**

- a) Explain the measures that a country should put in place to achieve an effective extension service provision programme? (10 marks)
- b) Outline and explain why each of the five processes involved in project planning and management are carried out. (10 marks)