



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRI-BUSINESS MANAGEMENT STUDIES

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR
BACHELOR OF SCIENCE IN AGRI-BUSINESS MANAGEMENT AND TRADE

AEE 301: AGRICULTURAL EXTENSION AND TECHNOLOGY TRANSFER

DATE: 3/5/2019

TIME: 8:30 – 10:30 AM

INSTRUCTIONS:

Answer Question One and Any Other Two Questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Define rural transformation. (2 marks)
- b) Explain three challenges faced by extension agents in extension service provision. (6 marks)
- c) Explain reasons why strong research-extension-farmer linkages are necessary for a developing country like Kenya. (10 marks)
- d) Describe the six stages of the technology or innovation adoption process. (12 marks)

QUESTION TWO (20 MARKS)

- a) Explain five factors that can enhance positively influence technology or innovation adoption. (10 marks)
- b) Describe five factors that affect effective extension service delivery in developing countries like Kenya. (10 marks)

QUESTION THREE (20 MARKS)

- a) Explain five basic principles of agricultural extension work. (10 marks)
- b) Explain five common project evaluation approaches used in agricultural extension programmes. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Describe five general phases involved in agricultural development project. (10 marks)
- b) Describe five processes involved in project planning and management is carried out. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Describe five adopter categories of a technology or innovation. (10 marks)
- b) Discuss five measures should be put in place to achieve an effective extension service provision programme in your county. (10 marks)