



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRIBUSINESS MANAGEMENT AND TRADE

FOURTH YEAR SPECIAL/ SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

AEE435: AGRICULTURAL EXTENSION AND RURAL DEVELOPMENT

DATE: 20/01/2021

TIME: 2.00-4.00 PM

INSTRUCTIONS:

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

SECTION A:

QUESTION ONE (30 MARKS) (COMPULSORY)

- a) Explain three reasons why agricultural extension is important to developing countries like Kenya? (6 marks)
- b) Differentiate between diffusion and adoption of a technology/innovation (3 marks)
- c) Explain three challenges faced by farmers in extension service provision (9 marks)
- d) Explain three key socio-economic indicators of rural development (6 marks)
- e) In point form, discuss three reasons why agricultural finance credit is important in agriculture and rural development (6 marks)

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

QUESTION TWO (20 MARKS)

- a) Explain five measures a country should put in place to achieve an effective extension service provision programme (10 marks)
- b)
 - i) State five processes involved in project planning and management (5 marks)
 - ii) Explain five reasons why each of the above (b (i)) processes are involved in project planning and management (5 marks)

QUESTION THREE (20 MARKS)

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

QUESTION FOUR (20 MARKS)

- a) Explain 4 weaknesses associated with the conservation theory (8 marks)
- b) Describe 6 project evaluation approaches in agricultural extension and rural development (12 marks)

QUESTION FIVE (20 MARKS)

- a) Describe five adopter categories of a technology or an innovation (10 marks)
- b) Explain six stages of technology or innovation adoption process (6 marks)
- c) Explain four conditions under which information communication should be through mass media (4 marks)