MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (AGRICULTURAL EDUCATION AND EXTENSION)

AEE 435: AGRICULTURAL EXTENSION AND RURAL DEVELOPMENT

DATE: 14/12/2021   **TIME: 8:30 – 10:30 AM**

INSTRUCTIONS: Answer Question One (Compulsory) and any Two Questions from Section B

SECTION A (COMPULSORY)

QUESTION ONE (30 MARKS)

a) Define the following terms:
   (i) Technology   (2 marks)

   (ii) Rural transformation   (2 marks)

b) Describe five key factors that lower the motivation and performance of extension service providers   (5 marks)

b) Explain three challenges that extension agents face in extension service provision.   (6 marks)

d) Discuss three socio-economic indicators of rural development in developing countries like Kenya   (6 marks)

e) Explain three ways through which progress towards elimination of hunger and poverty can achieved   (3 marks)

f) Explain six characteristics of a development project   (6 marks)

SECTION B (40 MARKS)

QUESTION TOW (20 MARKS)

a) Explain five measures that County Governments in Kenya should put in place to achieve an effective extension service provision programme   (10 marks)

b) Describe five general phases of a project   (10 marks)

QUESTION THREE (20 MARKS)

a) Discuss five benefits of environmental conservation for rural development in Kenya

(10 marks)

b) Explain five processes in project planning and management. (10 marks)

QUESTION FOUR (20 MARKS)

a) Discuss four effects of decentralization and community development strategy for rural transformation (8 marks)

b) Discuss the importance of agricultural finance credit in agriculture and rural development

(12 marks)

QUESTION FIVE (20MARKS)

a) Using a relevant example, explain five categories of a technology (10 marks)

b) Discuss four NEPAD fundamental mutually reinforcing pillars on which immediate improvement of Africa's agriculture, food security should be based (10 marks)