JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

THIRD YEAR SECOND SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

2017/2018 ACADEMIC YEAR
REGULAR

COURSE CODE: AEE 3321
COURSE TITLE: AGRICULTURAL EXTENSION AND TECHNOLOGY TRANSFER

EXAM VENUE: **STREAM: BSc. Education & Extension**

DATE: **EXAM SESSION:**

TIME: 2 HOURS

Instructions:
1. **Answer ALL questions in section A and ANY other 2 Questions in section B.**

2. **Candidates are advised not to write on question paper.**

3. **Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A [30 MARKS]
Answer ALL questions from this Section

1. Define the following terms as used in agricultural education and extension in Kenya.

    a) Agricultural Extension   [4 Marks]
    b) Innovation   [4 Marks]

2. Differentiate between the following
    a) Principle of need and interest and principle of participation   [4 Marks]
    b) Innovation and innovativeness   [4 Marks]

3. Briefly discuss the key elements of diffusion.   [6 Marks]

4. Explain four global agricultural challenges that modern agricultural extension is currently facing.   [8 Marks]

SECTION B   [40 MARKS]
Answer ANY TWO questions from this section

5. As an officer in charge of extension in your organization you have been tasked with initiating Dairy Innovation Platform in Kiberech Ward of Kipkelion Sub County.

    a) Identify four key stakeholders who you will identify in the Platform   [4 Marks]
    b) Discuss four constraints that the Innovation Platform may encounter   [8 Marks]
    c) Discuss four dynamic aspects of an Innovation Platform   [8 Marks]

6. a). Explain the meaning of over-adoption.   (3 Marks)

   b). Based on innovativeness, characterize the adopters into five categories.   (5 marks)
   c). Discuss giving relevant examples, how any three ICT tools can be used to enhance improvement of agricultural education and extension services in your County. (12 marks)

7. In an extension teaching situation extension agent may use two or more extension methods to be effective in his /her extension work.
    a) Mention the three broad categories of extension teaching methods giving one example of each.   (6 Marks)
    b) Discuss, with relevant examples, the four determinants for selection of extension methods mentioned in (a).   (14 Marks)