KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR

THIRD YEAR 2ND SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE EDUCATION AND EXTENSION

COURSE CODE: AEX 323
COURSE TITLE: AGRICULTURAL INFORMATION, MANAGEMENT AND EXTENSION

DATE: 22ND NOVEMBER 2022   **TIME: 8 – 10 AM**

INSTRUCTIONS TO CANDIDATES

Answer Question ONE and any other TWO Questions.

TIME: 2 Hours

This paper consists of 3 printed pages. Please Turn Over

QUESTION ONE

(a) Define the following terms (8 marks)

    (i)   Innovation system

    (ii)   Diffusion of innovations

    (iii)   Contract farming

    (iv)   Agricultural Data

(b) Justify the need for diffusion of innovations (2marks)

(c) Discuss the various adopter categorization of diffusion of innovations (10marks)

(d) Discuss five roles of ICT in agricultural development (10marks)

QUESTION TWO

(a) List five characteristics of systems (5marks)

(b) Explain six steps of systems approach in solving agricultural related problems (12marks)

(c) Highlight any six agricultural information products and services (3marks)

QUESTION THREE

(a) Briefly explain three attributes and three dimensions of an innovation (12 Marks)

(b) Write short notes on agricultural data, information and knowledge (8 marks)

QUESTION FOUR

(a) Discuss the following;

    (i)   The contract farming approach (5 Marks)

    (ii)   The farming systems approach (5 marks)

    (iii)   Farmer field School (FFS) (5marks)

    (iv)   The single commodity approach (5marks)

QUESTION FIVE

Discuss the diffusion Theory, highlighting its criticisms (20marks)