

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF MASTERS OF SCIENCE IN AGRICULTURAL EXTENSION

AGEX 832: EXTENSION PROGRAM DEVELOPMENT IMPLEMENTATION

STREAMS: MSC (AGEX)

TIME: 3 HOURS

DAY/DATE: TUESDAY 14/04/2020

8.30 AM – 11.30 AM

INSTRUCTIONS:

- **Answer Question One (Compulsory) and any other Two**
- **Do not write on the question paper**

1. (a) Give the meaning of the following terms as applied in extension program planning and evaluation. [5 marks]
 - (i) Planning
 - (ii) Program evaluation
 - (iii) PERT
 - (iv) Innovation
 - (v) Diffusion
 - (b) Enumerate four characteristics of a need. [4 marks]
 - (c) Describe five major factors must be taken into consideration when planning an extension program. [5 marks]
 - (d) Give the attributes of the following adopter categories
 - (i) Innovator [2 marks]
 - (ii) Early majority [2 marks]
 - (iii) Late majority [2 marks]
2. Digifarm, a new product provided by Safaricom ltd enables farmers to access input, agronomic and market information. Describe five stages that the product would go through before its complete adoption. [20 marks]

3. (a) Outline five reasons why logic models are important in program planning and evaluation. [5 marks]
 - (b) Assume that you want to initiate a training program to educate farmers in Ndagani Location on importance of rainwater harvesting. Draw a logic model summarizing the training program. [15 marks]
 4. With an aid of a diagram describe the steps followed when planning for extension education programs using targeted outcomes of programs (TOP) model. [20 marks]
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