

LAIKIPIA



UNIVERSITY

UNIVERSITY EXAMINATIONS

1ST SEMESTER 2022/2023 ACADEMIC YEAR

FOURTH YEAR EXAMINATIONS FOR BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION AND EDUCATION

**AGED 413: EXTENSION PROGRAM PLANNING AND
IMPLEMENTATION**

STREAM: R

TIME: 2 HRS

DAY: WEDNESDAY (11.30-13.30PM) DATE: 21/12/22

THIS QUESTION PAPER CONSISTS OF THREE (3 PAGES)

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.



INSTRUCTIONS:

- i) Answer Question **One** and any **other Two** questions
- ii) Write your Reg. No. and not your name on the answer booklet provided
- iii) Mobile phones, computers, ipads and tablets are not allowed inside the examination room

QUESTION ONE (30 MARKS)

- i) Outline four characteristics of an agricultural extension program (4 marks)
- ii) State two differences between monitoring and evaluation as used in agricultural extension program planning and implementation (4 marks)
- iii) With the aid of a diagram, explain the procedure of developing an agricultural extension program (12 marks)
- iv) A cooperative society plans to set up a dairy plant to process milk for its members. The society has engaged a consultant who has identified program activities, whose details are as shown in the table below.

Activity number	Activity description	Period (weeks)	Preceding activity
1	Setting up program office	3	-
2	Engaging office staff	2	1
3	Preparation of proposal	4	1
4	Appointment of dairy specialist	2	3
5	Appointment of animal production specialist	2	3
6	Training of specialists	1	4,5
7	Survey of dairy farms	4	6
8	Selecting dairy plant site	1	3
9	Ordering plant machinery	3	2
10	Construction of plant machinery	12	8,9
11	Training farmers	4	7
12	Connecting plant to water	1	10



13	Connecting plant to power	1	10
14	Trial of plant	1	11,12, 13
15	Handing over plant	-	14

- a) Develop the evaluation program network using gantt chart method **(8 marks)**
b) Determine the total duration of the program **(2 marks)**

QUESTION TWO (20 MARKS)

- i) Using examples explain five justifications of planning an agricultural extension program before implementation **(10 marks)**
ii) Using a problem tree, carry out problem identification among farmers in Igwamiti ward, in preparation for extension program planning **(10 marks)**

QUESTION THREE (20 MARKS)

- i) Using illustrations, describe the process of setting priorities during agricultural extension program planning **(12 marks)**
ii) Critic four reasons for undertaking situation analysis during agricultural extension program development **(8 marks)**

QUESTION FOUR (20 MARKS)

- i) Using a hypothetical extension program plan, develop its evaluation plan **(10 marks)**
ii) Analyse five situations in which the use mass methods of extension program implementation could be suitable **(10 marks)**

QUESTION FIVE (20 MARKS)

- i) In five ways, discuss the rationale for beneficiary participation during extension program planning and implementation **(10 marks)**
ii) Explain five basic elements of an agricultural extension program progress report **(10 marks)**