



UNIVERSITY EXAMINATIONS

1ST SEMESTER 2025/2026 ACADEMIC YEAR

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

AGED 413: EXTENSION PROGRAM PLANNING AND IMPLEMENTATION

STREAM: BSC AGED

TIME: 2 HRS

DAY: TUESDAY (11.30AM-1.30PM)

DATE: 3/2/2026

THIS QUESTION PAPER CONSISTS OF THREE (4 PAGES)

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.

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Mission: To serve students and society through research, education, scholarship, training, innovation, outreach and consultancy



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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

- 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	12	8,9

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	machinery		
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

- i) Analyse five benefits of planning an agricultural extension program before implementation **(10 marks)**
ii) Discuss five aspects of an agricultural extension program which are focused during evaluation **(10 marks)**

QUESTION THREE

- i) Discuss the process of setting priorities during agricultural extension program planning. **(12 marks)**
ii) Evaluate four reasons for undertaking situation analysis during agricultural extension program development. **(8 marks)**

QUESTION FOUR

- i) Assess five benefits of using individual extension methods during agricultural extension program implementation. **(10 marks)**
ii) Discuss five situations in which the use mass methods of extension program implementation is suitable **(10 marks)**

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QUESTION FIVE

- i) Discuss five benefits for local people participation during extension program planning and implementation. **(10 marks)**
- ii) Evaluate five basic elements of an agricultural extension program progress report. **(10 marks)**



