



The Open University of Sri Lanka
Faculty of Engineering Technology
Department of Agricultural & Plantation Engineering

Study Programme: **Bachelor of Industrial Studies Honours in Agriculture Programme**

Name of the Examination: **Final Examination**
Course Code and Title: **AGM 6379 Agricultural Extension**
Academic Year : **2023/24**

Date : **14- 02-2025**
Time : **9.30 – 12.30**
Duration : **3 hours**

Index No.

General Instructions

1. This is a Closed Book Test.
2. This question paper consists of **seven (7)** questions in five **(05)** pages.
3. **Answer five (5)** questions including question No 01.
4. Question No. 01 contains 10 structured questions. Answer these questions in the space provided and attach the paper to the answer book.
5. Read all the questions carefully before answering.
6. Answer for each question should commence from a new page in the answer book.
7. Do not use red colour pens.

In case of doubt, please consult the supervisor or an invigilator in the examination hall.

Question No 01.

Answer all 10 structured questions in the space provided. (2x10= 20 marks)

1. How do you define the term 'agricultural extension'.

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2. Describe the 'Farming system development approach' in agricultural extension.

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3. Describe the main feature of the following extension services.

(i) Decentralized extension services

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(ii) Privatized extension services

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4. Outline **two (2)** methods of determining powerful and influential people in a rural community

- i. -----

- ii.-----

5. Describe the importance of ensuring the ‘**situational compatibility**’ of new technologies before introducing them to farmers.

6 Outline the **four (4)** factors to be considered when planning a method demonstration.

- i. -----
- ii. -----
- iii. -----
- iv. -----

7. List **four (4)** important aspects to be considered when publishing agricultural information in newspapers.

- i. -----
- ii. -----
- iii. -----
- iv. -----

8. Briefly explain **two (2)** strategies for empowering farm women.

i. -----

ii. -----

9. Briefly explain the features of 'extension campaigns'.

10. Describe **two (2)** benefits received by farmers through 'agricultural clinics/crop clinics.'

i. -----

ii. -----

Select any **four (4) questions** from the following. Write your answers in the answer book.

Question No 02

Five categories of farmers have been identified according to the duration of time taken to adopt new innovations.

- i. Describe the characteristics of the five (5) adopter categories **(10 marks)**.
- ii. Describe the obstacles that discourage the diffusion of technological innovations among rural farmers **(10 marks)**

Question No 03

- i. Outline the **four (4)** main elements in the process of communication **(4 marks)**
- ii. Describe the factors influencing the following stages in the communication process **(8 marks)**
 - a. Decoding
 - b. Assimilation
- iii. Discuss the limitations of using print media to educate rural farmers **(8 marks)**

Question No 04

- i. Outline **two (2)** types of farmer organizations **(4 Marks)**
- ii. Explain the steps involved in the process of developing a farmer organization **(8 marks)**
- iv. Describe the four important extension roles played by farmer organizations **(8 marks)**.

Question No 05

Write short notes on **four (04)** of the following. **(4x5=20 marks)**

- i. Characteristics of adult learners.
- ii. Multi locational field trials
- iii. Classification of non-formal teaching methods
- iv. Cyber extension
- v. The process of 'Adoption of innovations'
- vi. Social Change

Question No 06

'Extension Organizations can play an important role in supporting rural farmers'

Discuss the role played by the extension organizations in the plantation sector in Sri Lanka. **(20 mark)**

Question No 07

Training and Visit (T & V) system is designed to provide the best solutions to the problems faced by rural farmers.

Critically evaluate the above statement **(20 marks)**.
