



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATION
2018/2019 ACADEMIC YEAR**

FOURTH YEAR SECOND SEMESTER

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
BACHELOR OF SCIENCE IN FORESTRY**

COURSE CODE: FOR 423

COURSE TITLE: FOREST EXTENSION

**DATE: 26TH APRIL 2019
1030HRS**

TIME: 0830 -

INSTRUCTIONS:

1. Answer **ALL** questions in Section A (25 marks)
2. Answer any **THREE** questions from Section B (45 marks)

This paper consists of 2 printed pages. Please turn over.

SECTION A (25 MARKS) ANSWER ALL QUESTIONS IN THIS SECTION

1. Define the following terms as used in Forestry and Extension
(3 marks)
 - i. Rural Appraisal
 - ii. Scaling up
 - iii. Rural Credit

2. a) Differentiate between training and imitation
(1 mark)
b) Identify necessary **major** skills and knowledge for a Forestry Extension Officer
(3 marks)

3. a) Identify **five stages** of the innovation adoption process
(2.5 marks)
b) Briefly explain models used in forestry extension education **(4 marks)**

4. a) Explain briefly **five stages** of adult learning
(2.5 marks)
b) Highlight the roles of government in forestry extension
(3 marks)

5. a) Define what is extension education
(2 marks)
b) In reinventing Forestry Extension, discuss how challenges for farmers in forestry/agroforestry/ agriculture at large can be addressed
(4 marks)

SECTION B (45 MARKS) ANSWER ANY THREE QUESTIONS IN THIS SECTION

6. The extension work is based upon some working principles and the knowledge of these principles is necessary for an extension worker. Discuss some of these principles, as related to forestry / agroforestry / agriculture.
(15 marks)

7. a) Explain **five** factors that influence adoption/rejection of extension knowledge
by farmers
(5 marks)
- b) Discuss the challenges and opportunities of community forestry.
(10 marks)
8. a) Describe the **issues for policy makers** in community forestry and extension which will help in successful implementation of woodlots.
(5 marks)
- b) Briefly identify and discuss the current (contemporary) issues facing forestry sector in Kenya and around the world
(10 marks)
9. a) Explain the philosophy of forestry extension
(2 marks)
- b) Describe **major** methods of forestry extension and education
(13 marks)
10. Assume that you have been employed by the County Government of Meru as a Forest Extension Officer. Develop a detailed **systematic** extension program/curriculum/community mobilization that you are going to use to train farmers for **15 weeks** in forestry/agroforestry from tree nursery to marketing of forest products/non-wood forest products (assume that in a week you have one field training)
(15 marks)

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