



# **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: 26<sup>TH</sup> APRIL 2019**

**TIME: 0830 – 1030HRS**

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- 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)**

**//END**