



# MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)  
University Examinations for 2015/2016 Academic Year

SCHOOL OF AGRICULTURE & NATURAL RESOURCES

DEPARTMENT OF AGRICULTURE

FIRST SEMESTER EXAMINATION FOR DIPLOMA IN AGRICULTURAL  
EDUCATION AND EXTENSION

KCU 0100: INTRODUCTION TO AGRICULTURAL EDUCATION AND EXTENSION

Date: 4/12/2015

Time: 2:00 – 4:00 PM

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**INSTRUCTIONS:**

*Answer question 1 and two other questions.*

**QUESTION ONE**

- a) Explain the educational and communication functions of agricultural extension. (4 Marks)
- b) Outline five principles of agricultural extension. (5 Marks)
- c) Explain four objectives of agricultural extension. (8 Marks)
- d) Explain four essential elements to consider during extension campaigns. (8 Marks)
- e) Explain five differences between formal and non-formal education (5 Marks)

**QUESTION TWO**

Explain the six stages of agricultural extension process. (20 Marks)

**QUESTION THREE:**

Discuss extension presentation visual aids. (20 Marks)

**QUESTION FOUR**

Explain the underlying assumptions and core principles of Phased Participatory Extension Education System (PPEES). (20 Marks)

**QUESTION FIVE**

Discuss the following agricultural extension models:

- a) Training and Visit Extension Approach. (5 Marks)
- b) Farming Systems Research and Extension (FSR/E) Approach. (5 Marks)
- c) Commodity Focused Extension Approach. (5 Marks)
- d) The University Organized Extension Approach. (5 Marks)