



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya.

Tel: 020-2069349, 061-2309217. 064-30320 Cell phone: +254 712524293, +254 789151411

Fax: 064-30321

Website: www.mucst.ac.ke Email: info@mucst.ac.ke

---

## University Examinations 2012/2013

SECOND YEAR, SECOND SEMESTER EXAMINATIONS FOR CERTIFICATE/DIPLOMA IN  
AGRICULTURE

### AGR 0224: PRINCIPLES OF AGRICULTURAL EXTENSION

**DATE: AUGUST 2013**

**TIME: 1½HOURS**

---

**INSTRUCTIONS:** Answer questions *one* and any other *two* questions

---

#### QUESTION ONE – (30 MARKS)

- a. State four strengths of each of the following extension approaches.
  - i. Training and visit extension management system. (4 Marks)
  - ii. Commodity extension approach. (4 Marks)
- b. List in order the steps to follow in programme development process. (4 Marks)
- c. Explain why it is necessary to identify the target group before preparing an extension plan. (3 Marks)
- d.
  - i. Define extension programme. (2 Marks)
  - ii. State the importance of extension programme development process. (5 Marks)
- e. What are the aims of extension teaching methods? (3 Marks)
- f. Outline five institutions/extension level based constraints to extension services. (5 Marks)

#### QUESTION TWO – 15 MARKS

- a. State five principles of agricultural extension. (5 Marks)
- b. Explain major steps in planning an extension programme. (10 Marks)

#### QUESTION THREE – 15 MARKS

- a. Define diffusion approach in extension education. (3 Marks)
- b. Explain the principles of agricultural extension. (12 Marks)

#### QUESTION FOUR – 15 MARKS

Explain the five approaches in agricultural extension. (15 Marks)

#### QUESTION FIVE – 15 MARKS

- a. State five roles of agricultural extension in agricultural development. (5 Marks)
- b. Discuss various categories of extension teaching methods. (10 Marks)

