



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

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

AGR 0122/0220: ANNUAL CROPS

DATE: APRIL 2013

TIME: 1½ HOURS

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

QUESTION ONE – (30 MARKS)

- Local maize varieties are popular with some farmers. State any two reasons why they are popular even though they are low yielding. (3 Marks)
- What are the breeding objectives on wheat? (4 Marks)
- State three signs of maize stalk borer. (2 Marks)
- Explain how you can apply nitrogen fertilizer in a maize crop. (5 Marks)
- Explain how push and pull mechanism works to control maize stalk borers. (6 Marks)
- Witch weed in one of the problematic parasitic weeds in grass family crops, give five methods farmers can employ to control them. (5 Marks)
- Give any three characteristics of hybrid maize. (3 Marks)
- Name any two cassava diseases. (2 Marks)

QUESTION TWO – 15 MARKS

- Explain the procedure of preparing and planting cassava cuttings in a form. (8 Marks)
- Give the botanical names of types of cassava. (4 Marks)
- How can the toxicity in cassava roots be removed before eating. (3 Marks)

QUESTION THREE – 15 MARKS

- State any three signs of bacterial wilt in potatoes. (3 Marks)
- How can you prevent the introduction of bacterial wilt in your farm? (5 Marks)
- Explain the procedure of establishing Irish potatoes in your farm. (7 Marks)

QUESTION FOUR – 15 MARKS

- What are the two types of beans grown in Kenya? (2 Marks)
- A farmer wants to venture into bean farming in Kenya. Write short notes on the Agro-ecological requirements of beans. (8 Marks)
- Explain the procedure of harvesting and storage of dry beans. (5 Marks)

QUESTION FIVE – 15 MARKS

- a. What are the optimum ecological requirements of sweet potatoes? (10 Marks)
- b. Give the standards of seed potato tubers. (3 Marks)