



MERU UNIVERSITY COLLEGE OF SCIENCE & TECHNOLOGY

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University Examinations 2011/2012

SECOND YEAR, SECOND SEMESTER EXAMINATIONS FOR DIPLOMA IN
GENERAL AGRICULTURE AND AGRUCULTURAL EDUCATION AND EXTESNION

TEC 0252: FARM STRUCTURES AND FARM LAYOUT

DATE: APRIL 2012

TIME: 1½ HOURS

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

QUESTION ONE (30 MARKS)

- a. Outline the term “structure” as used in farming (5 Marks)
- b. List five uses f fences (5 Marks)
- c. State six problems related to hedges (5 Marks)
- d. Outline the uses and types of spray races (5 Marks)
- e. List four maintenance procedures necessary for food or water troughs (4 Marks)
- f. Briefly explain the term “farm layout” (2 Marks)
- g. State four features considered when choosing/selecting site for farm buildings (4 Marks)

QUESTION TWO (15 MARKS)

- a. With the aid of diagrams show the features of the following types of fences:
 - i. Plain wire fence, with strainer
 - ii. Barbed wire fence with droppers
 - iii. Wire netting fence (6 Marks)
- b. Mention six types of tolls which can be used f or installation of post and wire fences (3Marks)
- c. List five qualities of an ideal gateway (5 Marks)
- d. What are areaps? (1 Mark)

QUESTION THREE (15 MARKS)

- a. Outline three features of a convenient site for dips (3 Marks)
- b. With the aid of a diagram show the main components of a cattle dip (12 Marks)

QUESTION FOUR (15 MARKS)

- a. Briefly discuss the aspects of silos with emphasis on the factors considered before construction features of ideal silos and advantages/disadvantages of these structures (10 Marks)
- b. Outline five ideal features for fish ponds sites (5 Marks)

QUESTION FIVE (15 MARKS)

- a. Briefly discuss four types of construction materials (8 Marks)
- b. Outline two methods of farm house construction (4 Marks)
- c. State three types of timber giving an example of use for each (3 Marks)