

**THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
ADVANCED CERTIFICATE OF SECONDARY EDUCATION
EXAMINATION**

134/3

AGRICULTURE 3

(For Both School and Private Candidates)

Time: 3 Hours

Year: 2009

Instructions

1. This paper consists of sections **three (3)** questions.
2. Answer **two (2)** questions.
3. Question one (1) carries **twenty (20)** marks and questions **two (2)** and **three (3)** carries **fifteen (15)** marks each.
4. Non-programable calculators may be used.
5. Cellular phones are **not** allowed in the examination room.
6. Write your **Examination Number** on every page of your answer booklet(s).

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1. You are provided with specimens: AC1, AC2, AC3, and AC4.
 - (a)
 - (i) Identify specimens AC1, AC2, AC3, and AC4 by their scientific names
 - (ii) State how AC1 and AC2 can be preserved for farmers' use
 - (iii) Give three reasons why conservation of AC1 and AC2 is important
 - (b)
 - (i) Describe how specimen AC4 can infest livestock
 - (ii) Name two animals commonly attacked by specimen AC4
 - (iii) Explain the relationship between specimen AC3 and AC4
 - (iv) State three measures to prevent infestation of AC4
2. You are provided with specimens: AD1, AD2, and AD3.
 - (a)
 - (i) Identify specimens AD1 and AD2
 - (ii) Mention two uses of specimen AD2 in crop production
 - (iii) Give one problem caused by excessive application of specimen AD1
 - (b)
 - (i) Identify specimen AD3 by its scientific name
 - (ii) State two economic losses caused by specimen AD3
3. You are provided with specimens: AE1, AE2, AE3, and AE4.
 - (a)
 - (i) Identify each specimen AE1 to AE4
 - (ii) State two functions of AE1 on the farm
 - (iii) Mention three safety measures when handling AE2
 - (b)
 - (i) Describe two methods of controlling specimen AE4