

**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: 2008

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: W1, W2, W3, and W4.
 - (a)
 - (i) Identify specimen W1 and mention its two functions in soil fertility
 - (ii) Outline three negative effects of excess use of specimen W2
 - (iii) State two advantages of using specimen W3 in crop production
 - (b)
 - (i) Identify specimen W4
 - (ii) State two ways specimen W4 is applied on the farm
 - (iii) Mention one problem associated with misuse of specimen W4
2. You are provided with specimens: X1, X2, and X3.
 - (a)
 - (i) Identify specimen X1 by its scientific name
 - (ii) Mention one major pest associated with specimen X1 and its mode of attack
 - (b)
 - (i) Identify specimen X2
 - (ii) State three features of specimen X2 that make it useful in animal feed formulation
 - (c)
 - (i) Identify specimen X3
 - (ii) Mention three crops commonly affected by specimen X3
3. You are provided with specimens: Y1, Y2, Y3, and Y4.
 - (a)
 - (i) Identify specimens Y1 and Y2
 - (ii) Mention three diseases caused by specimen Y3 in livestock
 - (iii) State three control measures against specimen Y3
 - (b)
 - (i) Identify specimen Y4
 - (ii) Describe its effect on the productivity of dairy animals