

**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: 2004

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: AI1, AI2, AI3, and AI4.
 - (a)
 - (i) Identify specimen AI1 and give two uses
 - (ii) State three symptoms of deficiency associated with AI2
 - (iii) Mention two methods of applying specimen AI3
 - (b)
 - (i) Identify specimen AI4
 - (ii) State its role in animal feed formulation
 - (iii) Give two disadvantages of overusing specimen AI4
2. You are provided with specimens: AJ1, AJ2, and AJ3.
 - (a)
 - (i) Identify specimen AJ1 by botanical name
 - (ii) Mention a disease affecting AJ1 and its vector
 - (iii) List two control methods of the disease in AJ1
 - (b)
 - (i) Identify specimen AJ2
 - (ii) State three features that make AJ2 important in soil enrichment
 - (iii) Mention one limitation of specimen AJ2
 - (c)
 - (i) Identify specimen AJ3
 - (ii) State two advantages of using AJ3 in dairy farming
3. You are provided with specimens: AK1, AK2, AK3, and AK4.
 - (a)
 - (i) Identify each specimen AK1–AK4
 - (ii) Mention two uses of AK1
 - (iii) Outline three safety precautions when handling AK3
 - (b)
 - (i) State two farm animals attacked by AK4
 - (ii) Suggest two control measures for AK4