

**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: 2006

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: AF1, AF2, AF3, and AF4.
 - (a)
 - (i) Identify specimen AF1 and state two uses in soil fertility
 - (ii) Outline three symptoms of deficiency corrected by AF2
 - (iii) Mention two application methods of AF3 in the farm
 - (b)
 - (i) Identify specimen AF4
 - (ii) Explain its importance in livestock feeding
 - (iii) Mention two dangers of excess use of AF4
2. You are provided with specimens: AG1, AG2, and AG3.
 - (a)
 - (i) Identify specimen AG1 by its scientific name
 - (ii) State the disease affecting AG1 and its causal organism
 - (iii) Mention two methods of controlling the disease in AG1
 - (b)
 - (i) Identify specimen AG2
 - (ii) List three properties of AG2 that improve soil fertility
 - (iii) State one limitation of using AG2
 - (c)
 - (i) Identify specimen AG3
 - (ii) Explain its role in ruminant feeding
3. You are provided with specimens: AH1, AH2, AH3, and AH4.
 - (a)
 - (i) Identify each specimen AH1, AH2, AH3, and AH4
 - (ii) Mention two uses of AH1
 - (iii) Outline three safety precautions when handling AH3
 - (b)
 - (i) Name two animals commonly affected by AH4
 - (ii) State two control methods for AH4