

**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: 2013**

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**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: Q1, Q2, Q3, Q4, and Q5.
  - (a)
    - (i) Identify specimens Q1 and Q2
    - (ii) State two functions of specimen Q2 in soil fertility improvement
    - (iii) Outline three disadvantages of using specimen Q1 in excess quantities
  - (b)
    - (i) Identify specimen Q3 by its common name
    - (ii) Mention one disease associated with Q3 and its causal organism
    - (iii) Give two methods of controlling the disease in Q3
  - (c)
    - (i) Identify specimens Q4 and Q5
    - (ii) Differentiate between the roles of specimens Q4 and Q5 in crop protection
2. You are provided with specimens: R1, R2, and R3.
  - (a)
    - (i) Identify specimens R1 and R2
    - (ii) Give three reasons why farmers prefer using specimen R2 compared to specimen R1
    - (iii) State the effect of specimen R1 when applied during the flowering stage of crops
  - (b)
    - (i) Name specimen R3 by its botanical name
    - (ii) State one major pest associated with specimen R3
    - (iii) Mention two crops commonly attacked by the pest in R3
3. You are provided with specimens: S1, S2, S3, and S4.
  - (a)
    - (i) Identify each specimen S1, S2, S3, and S4
    - (ii) Give two uses of specimen S1 on the farm
    - (iii) State three precautions to be observed when handling specimen S2
  - (b)
    - (i) Describe how specimen S4 could damage farm animals
    - (ii) Mention two ways of controlling specimen S4