

**THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATION COUNCIL OF TANZANIA
DIPLOMA IN SECONDARY EDUCATION EXAMINATION**

735

AGRICULTURE TEACHING METHODS

Time: 3 Hour.

Monday, 12th February 2007 p.m.

Instructions

1. This paper consists of section **A** and **B**.
2. Answer **all** questions in section A, and **four (4)** questions from section B.
3. Section A carry **forty (40)** and section B carries **sixty (60)** marks.
4. Cellular phones are **not** allowed in the examination room.
5. Write your **Examination Number** on every page of your answer booklet(s).

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SECTION A (30 Marks)

Answer all questions in this section.

1. Mention four sources of agricultural education materials used by teachers in secondary schools.
2. List four signs of poor soil fertility observable in a school garden.
3. State four reasons why record keeping is important in livestock production.
4. Give four advantages of mixed farming in smallholder agriculture.
5. Identify four challenges facing school-based agricultural projects.
6. Mention four safety precautions to be taken when handling chemicals in agriculture.

SECTION B (40 Marks)

Answer any four (4) questions from this section.

7. Explain five benefits of involving learners in preparing and using compost manure.
8. Describe five ways in which school agriculture clubs contribute to learner development.
9. Explain five qualities of a good demonstration plot for agriculture lessons.
10. Discuss five ways of motivating students to pursue agriculture as a future career.
11. Describe five ways in which agriculture contributes to rural development in Tanzania.
12. Explain five benefits of keeping a school farm for teaching and learning purposes.

SECTION C (30 Marks)

Answer any two (2) questions from this section.

13. You are preparing a lesson for Form Two students on “Crop Diseases.” Write a summary of your lesson including:

- (a) Meaning of crop diseases
- (b) Causes of diseases
- (c) Common crop diseases in Tanzania
- (d) Effects of crop diseases
- (e) Control measures

14. Imagine you are supervising a student project on vegetable production. Write a report including:

- (a) Objectives
- (b) Preparation and planting
- (c) Learners' roles
- (d) Observations and results
- (e) Challenges and solutions

15. Write an essay explaining five reasons for youth disinterest in agriculture and suggest five ways the school and community can change this mindset.