

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

735

**AGRICULTURE TEACHING METHODS**

**Time: 3 Hour.**

**Monday, 12<sup>th</sup> May 2003 p.m.**

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**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. List four common tools used in school garden preparation.
2. Mention four ways of conserving water in school farms.
3. Give four examples of plant nutrients and their roles.
4. Identify four common weeds found in vegetable gardens.
5. State four reasons for applying mulch in crop fields.
6. Mention four benefits of keeping records in crop production.

### **SECTION B (40 Marks)**

Answer any four (4) questions from this section.

7. Describe five methods of preventing soil erosion on school farms.
8. Explain five characteristics of well-cured compost manure.
9. Discuss five good practices in poultry rearing in schools.
10. Outline five challenges faced by agriculture teachers in implementing school projects.
11. Explain five reasons for practicing crop rotation in school gardens.
12. Describe five functions of agricultural cooperatives in rural development.

### **SECTION C (30 Marks)**

Answer any two (2) questions from this section.

13. Prepare a summary of a lesson on “Soil Types and Properties.” Include:  
(a) Types of soil

- (b) Characteristics of each
- (c) Student activities
- (d) Importance of the topic
- (e) Conclusion

14. Students are involved in a dairy cattle project. Write a full report including:

- (a) Objectives
- (b) Activities done
- (c) Observations
- (d) Benefits of the project
- (e) Challenges faced

15. Write an essay explaining five factors to consider in selecting a site for crop production and five environmental risks that may affect the site.

16. Describe five ways to improve teaching and learning of agriculture in secondary schools and five obstacles that hinder effective delivery of the subject.

17. Explain five qualities of a good agricultural demonstration and describe five ways to ensure learner participation during agricultural practicals.

18. You are guiding students to develop a mini-farm plan. Describe five components of a good farm layout and five reasons why planning is essential in school farm management.