

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

735

**AGRICULTURE TEACHING METHODS**

**Time: 3 Hour.**

**Monday, 19<sup>th</sup> May 2005 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. Mention four ways in which agriculture contributes to the school community.
2. Identify four types of weeds commonly found in school gardens.
3. State four roles played by agroforestry in environmental conservation.
4. List four farm tools and give one use of each.
5. Give four examples of livestock diseases that affect cattle.
6. Mention four characteristics of sandy soil.

### SECTION B (40 Marks)

Answer any four (4) questions from this section.

7. Explain five differences between organic and inorganic fertilizers.
8. Describe five qualities of a good agricultural extension officer.
9. Explain five precautions that should be taken when storing harvested crops.
10. Discuss five problems that can arise from poor agricultural marketing systems.
11. Describe five classroom strategies that can be used to teach agriculture effectively.
12. The table below shows records of egg production for a poultry project in a school:

Week	Number of Eggs Collected
Week 1	112
Week 2	126
Week 3	108
Week 4	134

- (a) Calculate the total number of eggs collected in four weeks.
- (b) Calculate the average number of eggs collected per week.
- (c) Suggest two reasons for the fluctuation in egg production from week to week.
- (d) Give two uses of such a record in agricultural education.

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

Answer any two (2) questions from this section.

13. You are preparing a lesson on “Soil Erosion Control Methods” for Form Two students. Write a summary of your lesson including:
- (a) Definition of soil erosion
  - (b) Causes of erosion in school farms
  - (c) Five control measures
  - (d) Learning activities
  - (e) Conclusion
14. A group of students carried out a research project on irrigation methods used in school gardens. Prepare a report including:
- (a) Introduction
  - (b) Objectives
  - (c) Methods observed
  - (d) Challenges faced
  - (e) Recommendations
15. Write an essay explaining five factors that affect the choice of a site for a school farm and suggest five strategies to ensure proper site management.
16. You are supervising a school beekeeping project. Explain five learning opportunities students can gain and five safety precautions they must observe.

17. Discuss five reasons for keeping farm records in both crop and livestock enterprises, and explain five consequences of poor record keeping.
18. Explain five factors that limit women and youth participation in agriculture and suggest five possible interventions that can promote their involvement.