

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

735

AGRICULTURE TEACHING METHODS

Time: 3 Hour.

Monday, 13th May 2013 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 from this section.

1. List four characteristics of a good instructional objective in agriculture education.
2. State four reasons why it is important for agriculture teachers to prepare lesson plans before teaching.
3. Identify four advantages of using field visits as a method of teaching agriculture.
4. Mention four types of records that should be kept in a school farm.
5. Briefly explain four factors to consider when selecting a site for a school farm.
6. Outline four disadvantages of using the lecture method in agriculture teaching.

SECTION B (40 Marks)

Answer any four (4) questions from this section.

7. Describe five differences between a syllabus and a curriculum as used in agriculture education.
8. Explain five qualities of a good teaching and learning aid in agriculture.
9. Describe five important considerations when planning a demonstration on compost manure preparation for Form One students.
10. With examples, discuss five challenges agriculture teachers face when implementing practical lessons in secondary schools.
11. Identify five key elements that should be included in a well-prepared agriculture scheme of work and explain the role of each.
12. Explain five ways in which ICT can be used to improve the teaching and learning of agriculture in secondary schools.

SECTION C (30 Marks)

Answer any two (2) questions from this section.

13. You are assigned to teach a topic on “Soil and Water Conservation.” Write a summary of your lesson including:
- (a) Definition of soil and water conservation
 - (b) Causes of soil degradation
 - (c) Methods of conservation
 - (d) Importance to agriculture
14. Suppose your school is organizing an agriculture exhibition. Describe how you would guide students to prepare and present the following exhibits:
- (a) Crop samples
 - (b) Poultry products
 - (c) Posters and charts
 - (d) Demonstrations on tool use
15. A student claims that agricultural economics is irrelevant in practical farming. Write a response to educate the student by explaining five reasons why knowledge of agricultural economics is important to farmers.