

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

735

AGRICULTURE TEACHING METHODS

Time: 3 Hour.

Monday, 14th May 2012 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 tools commonly used in school farm operations and state one use for each.
2. Mention four factors to consider when selecting crops for school demonstration plots.
3. State four challenges agriculture teachers face when using real specimens during lessons.
4. Give four reasons why it is important to integrate local knowledge in teaching agriculture.
5. Outline four key features of a good chalkboard illustration in agriculture teaching.
6. Identify four ways in which agriculture teaching contributes to national development.

SECTION B (40 Marks)

Answer any four (4) questions from this section.

7. Describe five ways in which an agriculture teacher can assess learners during a practical lesson.
8. Explain five challenges that can arise when organizing field trips for agriculture students and suggest ways to overcome them.
9. Outline five benefits of using project-based learning in agriculture and explain how it can be applied in a secondary school setting.
10. With examples, explain five characteristics of an effective agriculture classroom environment.
11. Describe five steps to follow when preparing a lesson note on animal nutrition for Form Two students.
12. Highlight five important roles played by agricultural extension officers that can complement the work of agriculture teachers in schools.

SECTION C (30 Marks)

Answer any two (2) questions from this section.

13. Write a lesson summary on the topic “Fertilizer Application in Crop Production,” including:
- (a) Meaning of fertilizer
 - (b) Types of fertilizers
 - (c) Methods of application
 - (d) Precautions during use
 - (e) Importance in crop growth
14. As an agriculture teacher, prepare a professional report about a practical session you conducted on “Seed Germination Test.” Include the objectives, procedures, learner participation, challenges faced, and recommendations.
15. Some people argue that practical agriculture in schools is a waste of resources. As an agriculture teacher, write an essay defending the importance of practical agriculture to learners, schools, and the wider community.