

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

735

AGRICULTURE TEACHING METHODS

Time: 3 Hours

Monday, 11<sup>th</sup> May 2015 p.m.

Instructions

1. This paper consists of sections A and B.
2. Answer **all** questions in sections A and **four (4)** questions from section B.
3. Section A carry **forty (40)** marks 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).



### SECTION A (40 Marks)

Answer **all** questions in this section.

1. State four advantages of using case study teaching and learning strategy.
2. Identify eight interactive teaching methods in agriculture science.
3. Outline four ways that can be used to motivate learners during teaching and learning.
4. Give four differences between Row planting and Broadcasting as the planting methods.
5. Mention four possible sitting patterns during classroom interaction.
6. State four knowledge and skills expected in an ideal teacher's guide.
7. State four characteristics of a reliable test.
8. Give four reasons why sloping ground should **not** be selected for establishment of the school farm.
9. (a) Name two categories of farm records.  
(b) Give two justifications for recording each event happening in the school farm.
10. Name four factors that limit effectiveness of mechanization in agricultural production.

### SECTION B (60 Marks)

Answer **four (4)** questions from this section.

11. Suggest five measures to improve test validity in agriculture science subject.
12. Describe five elements for effective communication in the classroom.
13. Explain five merits of Inquiry teaching and learning method for agriculture science subject at secondary school level.
14. Explain five safety precautions to adhere to when working in an agricultural science Laboratory.
15. Explain in brief one function of each element in the columns of a Scheme of work.
16. Imagine you were invited as a guest speaker to educate a certain community on pig husbandry. Elaborate five basic management practices of baby pigs (piglets) you will talk about.
17. There is a general misconception that preparation of a lesson plan is wastage of time for experienced teachers. Give five arguments against this notion.



- Find this and other free resources at <https://maktaba.tetea.org>
18. Assume that you are teaching about “vegetables” in your Form III agriculture science class. Using at least one example, describe five types of vegetables that should appear in your lesson.