

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

735

AGRICULTURE TEACHING METHODS

Time: 3 Hours

Monday, 09<sup>th</sup> May 2016 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. Briefly describe four routine maintenance of the disc plough.
2. State four significances of oral questions in the teaching and learning.
3. Outline four systems of poultry rearing.
4. Write two functions for each of the following sections of agricultural science carpentry workshop:
  - (a) Offices
  - (b) Stores
  - (c) Machine section
  - (d) Demonstration chamber.
5. State four importance of making analysis of any curriculum material.
6. Outline four functions of a scheme of work to a subject teacher.
7. Provide four importance of lesson notes to students.
8. Write two differences between natural mating and artificial insemination.
9. Provide the meaning of the following agricultural practices and name at least one tool used in each practice:
  - (a) Branding
  - (b) Hoof Trimming.
10. Briefly describe four methods of applying fertilizers in the field.

### SECTION B (60 Marks)

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

11. (a) Describe the concept of fencing as applied in the context of school farm.  
(b) Elaborate five reasons for establishing a fence in a school farm.
12. Analyse five personal qualities expected from a classroom teacher.
13. Explain four strengths of essay type test items.

14. As a classroom manager, explain how you can use "preventive technique" to create effective classroom management. Give five points.
15. Suggest five procedures that can help to minimize subjectivity in scoring a subjective test.
16. Describe five causes of change in supply of agricultural products.
17. Assuming that you are teaching on "Field and Storage Crops Pests Control," explain five physical pests control methods commonly applied in Tanzania.
18. Basing on the importance of Block Teaching Practice to student teacher, explain how you benefited from the teaching practice you attended. Give five points.