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

735   **AGRICULTURE TEACHING METHODS**

Time: 3 Hour.   **Monday, 16th February 2006 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).

SECTION A (30 Marks)

Answer all questions in this section.

1. State four functions of agricultural education in national development.

2. List four benefits of applying manure to school gardens.

3. Give four symptoms of malnutrition in livestock.

4. Mention four reasons for keeping poultry in schools.

5. Identify four classroom materials that can be used to teach agriculture effectively.

6. State four examples of crops propagated through vegetative methods.

SECTION B (40 Marks)

Answer any four (4) questions from this section.

7. Explain five reasons why practical lessons are important in the teaching of agriculture.

8. Describe five methods used to control soil erosion on sloped land.

9. Discuss five challenges encountered by agriculture teachers during project supervision.

10. Explain five characteristics of a good lesson plan in agriculture.

11. Outline five principles of good livestock housing.

12. Explain five reasons why school farms should be integrated into the school timetable.

SECTION C (30 Marks)

Answer any two (2) questions from this section.

13. Prepare a lesson summary on "Importance of Agriculture" for Form One students. Include:

    (a) Definition of agriculture

(b) Main branches

(c) Contribution to individual and national development

(d) Learners' activities

(e) Summary and conclusion

14. You are assigned to lead a student research on the use of organic pesticides. Write a full report including:

(a) Objectives

(b) Methodology

(c) Data collection and observation

(d) Conclusion

(e) Recommendations

15. Write an essay on five factors that hinder the adoption of improved farming technologies among rural farmers and propose five ways to overcome these barriers.