

THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
ADVANCED CERTIFICATE OF SECONDARY EDUCATION
EXAMINATION
134/2
AGRICULTURE 2

(For Both School and Private candidates)

Time: 3 Hours

Year: 2023

Instructions

1. This paper consists of sections **A** and **B** with a total of **ten (10)** questions.
2. Answer **all** questions in section **A**, and **two (2)** questions from section **B**.
3. Section **A** carries **seventy (70)** marks and section **B** carries **thirty (30)** marks
4. Cellular phones and any unauthorized materials are **not** allowed in the examination room.
5. Non-programmable calculators may be used.
6. Write your **Examination Number** on every page of your answer booklet (s)

SECTION A (70 marks)

Answer **all** questions in this section

1. Analyse five ways of controlling the plant diseases.
2. Account for blossom end rot diseases in tomato using the following guidelines:
 - (a) cause of the disease
 - (b) Major symptoms of the diseases and
 - (c) Control measures of the diseases
3. (a) Suggest four ways that can be employed by a farmer to control weeds that grow aggressively and multiply quickly.
 - (b) Examine six disadvantages of the chemical weed control.
4. Suggest the damages that might be caused by each of the following pests to the crop they attack based on their mode of feeding:
 - (a) Maize stalk borer
 - (b) Cotton stainer
 - (c) Leaf hopper.
5. (a) Briefly explain the breeding method to be employed to perform the resistance breeding.
 - (b) Give seven steps to be involved in performing the selected method.
6. (a) Give a reason why the chicken do not need teeth during the digestion
 - (b) Describe the digestive system of the chicken.
7. (a) Suggest six observable signs that help to identify unhealthy animals.
 - (b) Analyse four effects of parasites on animals.

SECTION B (30 Marks)

Answer **two (2)** questions in this section

8. (a) Give three limitations of natural pastures.
(b) Give seven reasons for establishing a mixture of grass-legume pastures.
9. Explain five major causes of the failure of the artificial insemination in cows.
10. Evaluate five benefits of genetic engineering in animal production.