

**CHRISTIAN SOCIAL SERVICES COMMISSION (CSSC)  
NORTHERN ZONE JOINT EXAMINATIONS SYNDICATE (NZ-JES)**



**FORM SIX PRE – NATIONAL EXAMINATION 2026**

**134/2**

**AGRICULTURE 2**

**Time: 3 Hours**

**Monday, 2<sup>nd</sup> March, 2026 a.m**

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**Instructions**

1. This paper consists of **ten (10)** questions.
2. Answer **all** questions.
3. Each question carries **t Question 1en (10)** marks .
4. Non-programmable calculators may be used.
5. Cellular phones **are not** allowed in the examination room.
6. Write your **Examination Number** on every page of your answer booklet (s).

## QUESTIONS

1. (a) The weed plants growing in the field seems to be well nourished than the crop plants if not weeded. In **five** points explain why. (05 marks)  
(b) Farmers in a certain village believe that weeds are dangerous plants hence need to be totally removed from the field. In **five** points briefly explain why these believes have to be rehabilitated. (05 marks)
2. (a) Explain any **five** necrotic symptoms in diseased plants. (05 marks)  
(b) Fungus is the major cause of plant diseases in the world. Outline any **five** fungal groups which cause diseases in plant. (05 marks)
3. Anthracnose is the common fungal disease in beans.  
(a) What symptoms may be observed so as to recognize the disease in the field? Give **two** points. (02 marks)  
(b) What is the causal agent of the disease? (02 marks)  
(c) Give two ways through which the disease is transmitted. (02 marks)  
(d) Suggest any four control measures of the disease. (04 marks)
4. Briefly explain on how the mass selection can lead to improvement of crop plants. (10 marks)
5. (a) Account for four reasons for modifying the genetic makeup of some organisms. (04 marks)  
(b) Modern agriculture has many ill-effects to the environment and humans' this resulting into non-sustainable agriculture. Briefly describe six sustainable agricultural practice for the farmer to build and sustain the health of the soil and consumers. (06 marks)
6. Natural pasture are forage grasses and legumes that grow naturally and extensively for both domestic and wild animals. What are the management practices might be taken to the natural pastures so as to improve and serve the purpose for long time. Give **five** points. (10 marks)
7. (a) Water as among of the basic nutrients in the animal feed, has great importance in livestock. But animals differ in water requirements. Give **four** factors that might be the cause of the situation. (04 marks)  
(b) Briefly explain **three** ways in which the animal can obtain water for use in their body. (06 Marks)
8. Describe the causal agent, **two** symptoms, control measure of the following animal diseases;  
(i) Anthrax (ii) New castle disease (iii) East coast fever (iv) Foot and mouth disease (10marks)
9. (a) Pests may cause physical damage to crops through eating leaves, roots or flowers, tissue, this results into reduction of crop yields. With the aid of examples classify **five** categories of pest basis on crop parts attacked. ( 5 marks)  
(b) How biological method used to control pest with clear examples ? (5 marks)
10. (a) What do you understand on the followings terms as used in farm animal reproduction  
(i) Natural mating ii) Flock mating iii) Hand mating (3 marks)  
(b) Well developed technology of Artificial insemination is now overtaking the use of natural mating in farm animals. State **seven** problems of natural mating (7 marks)