

2025 SUPER MOCK 1 – GENERAL AGRICULTURE

PAPER 2

2 hours

ESSAY

[80 marks]

*Answer **five** questions in all; **one** question from **each** section.*

Credit will be given to clarity of expression and orderly presentation of material.

*All questions carry **equal** marks*

SECTION A

*Answer **one** question **only** from this section.*

1. (a) State four factors that influence sustainable agriculture production in Ghana. (4 marks)
- (b) Outline three routine maintenance carried out on a tractor. (6 marks)
- (c) Explain three factors that accelerate agricultural development in Ghana. (6 marks)

2. (a) Outline four factors to be considered in planning a farmstead. (8 marks)
- (b) Explain four problems associated with communal land ownership in Ghana. (8 marks)

SECTION B

*Answer **one** question **only** from this section.*

3. (a) Distinguish between the following terms:
 - (i) micronutrients and macronutrients. (3marks)
 - (ii) straight fertilizer and compound fertilizer (3 marks)
- (b) Discuss five ways in which organic matter helps in maintaining soil productivity. (10marks)

4. (a) Describe the following methods of land preparation:
 - (i) Slashing (ii) Stumping (iii) Mounding (iv) Ridging (8 marks)
- (b) Discuss four ways in which soil loses its fertility (8marks)

SECTION C

*Answer **one** question **only** from this section.*

5. (a) State four agronomic factors that cause the death of transplanted seedlings (4 marks)
- (b) Outline the steps involved in calibrating a knapsack sprayer. (6 marks)
- (c) Explain three ways in which mulching improved crop yield. (6 marks)

6. (a) Mention two causes of non - pathogenic diseases of crops. (2 marks)
(b) State four objectives of tillage. (4 marks)
(c) Discuss five problems affecting rice production in West Africa. (10 marks)

SECTION D

Answer **one** question **only** from this section.

7. (a) (i) Define the term cross - breeding as used in animal improvement.
(ii) State four advantages of cross breeding in animal production. (6 marks)
- (b) Discuss five ways in which fish farming is important to the economy of your country. (10 marks)
8. (a) Give two advantages of each of the following animal husbandry practices:
(i) creep feeding
(ii) debeaking (4 marks)
- (b) Mention two bacterial diseases of farm animals. (2 marks)
- (c) Describe five symptoms of ill-health in farm animals. (10 marks)

SECTION E

Answer **one** question **only** from this section.

9. (a) List 4 records that are kept on a farm. (4 marks)
- (b) (i) Define the term value chain as used in agriculture.
(ii) State two benefits of value chain development in agriculture production. (6 marks)
- (c) Discuss three factors to be considered in the establishment of an agribusiness. (6 marks)
10. (a) State two advantages and two disadvantages of the individual extension teaching method. (4 marks)
- (b) Give two reasons for carrying out each of the following marketing functions:
(i) grading
(ii) advertising
(III) packaging (6 marks)
- (c) Explain three factors that determine the supply of land for agricultural production. (6marks)

END OF ESSEY TEST