

NAME: _____ ADM. NO. _____ STREAM: _____

**AGRICULTURE FORM TWO.
END TERM EXAM – TERM TWO 2015.**

➤ **Answer all questions in the spaces provided.**

1. (a) State any five qualities that should be considered when selecting seeds for planting:-
(2 ½ marks)

(b) State six characteristics of a productive soil. (3 marks)

(c) List three (3) physical weathering agents in soil formation process. (3 marks)

(d) A member of young farmers' club was advised to apply a complete fertilizer 30:20:10 in a tomato plot measuring 10 m long by 5 m wide at the rate of 300 kg per ha. The tomato spacing is (100 x 50) cm.

i) State the percentage of P₂O₅ in the complete fertilizer. (1 mark)

ii) Calculate the amount of fertilizer the member would require for the plot? (Show your working). (5 marks)

iii) Calculate the plot population in the piece of plot. (3 marks)

iv) Explain at least five (5) factors which determine correct spacing? (5 marks)

(a) List three (3) methods of treating water for use on the farm? (3 marks)

(b) Give the examples for each of the following categories of water pipes?

(i) Metal pipes (2 marks)

(ii) Hose pipes (2 marks)

2. (c) Give two reasons for locating a nursery bed at a well sheltered place? (2 marks)

(d) Give two roles of soil micro-organisms that are beneficial to crops. (2 marks)

3. (a) Outline at least six (6) importances of livestock. (3 marks)

(b) State four (4) characteristics of exotic breeds of cattle. (2 marks)

(c) List any four (4) exotic breeds of cattle that you know. (2 marks)

4. (a) Define soil fertility. (2 marks)

(b) List six characteristics of a fertile soil. (3 marks)

(c) Explain the importance of organic matter in the soil. (4 marks)

(d) List the three (3) types of organic matter applied to the soil. (3 marks)

5. (a) Outline the factors considered in preparation of a farm yard manure. (FYM).
(4 marks)

(b) What are the characteristics of plants that are used in preparation of green manure?
(4 marks)

6. (a) Define water pollution. (2 marks)

(b) Outline the activities of farming that may lead to water pollution. (3 marks)

(c) List four (4) methods of irrigation.

(2 ½ marks)

(d) Give the advantages of the following methods of irrigation.

i) Sprinkler irrigation

(1 mark)

ii) Drip irrigation.

(1 mark)