

NANDI EAST, NANDI SOUTH & TINDERET SUB-COUNTIES JOINT EVALUATION 2016

443/1

AGRICULTURE

PAPER 1

SECTION A (30 MARKS)

Answer ALL Questions in the Spaces Provided

1. Define the following economic concepts:
 - (i) Scarcity (½mk)
 - (ii) Opportunity cost (½mk)
2. State **two** types of organic manure. (2mks)
3. (a) State **four** factors that will influence the classification of herbicides. (2mks)
- (b) Highlight **two** advantages of tillage in weed control. (1mk)
4. Give **four** characteristics of variable inputs. (2mks)
5. (a) Why should the following precautions be taken when transplanting vegetable crop seedling?
 - (i) Watering the nursery before transplanting. (½mk)
 - (ii) Lifting the seedling with a garden trowel. (½mk)
 - (iii) Application of a light mulch. (½mk)
 - (iv) Transplanting when the weather is cool. (½mk)
- (b) State **two** causes of blossom-end rot disease in tomatoes. (1mk)
6. What are the uses of the following financial documents on the farm? (1mk)
 - (i) Invoice:.....
 - (ii) Delivery note:.....
7. (a) What is agroforestry? (½mk)
- (b) Identify **three** sites for agroforestry trees. (1½mks)
8. Give **two** contributions that agriculture make to boost industrial development in Kenya. (1mk)
9. (a) What is a market? (1mk)
- (b) Distinguish between a perfect market and an imperfect market. (1mk)
10. (a) State **two** reasons for processing agricultural products. (1mk)
- (b) Identify **two** storage pests in maize. (1mk)
11. Give **four** roles of soil micro-organisms that are of economic importance to crops. (2mks)
12. State **two** disadvantages of co-operate land tenure system. (1mk)
13. Outline **four** importances of sub-soiling. (2mks)
14. Explain how planting of trees helps in drainage. (1mk)
15. (a) What is integrated pest management as used in crop production? (2mks)
- (b) What plant parts are used in the propagation of the following? (1mk)
 - (i) Pyrethrum:.....
 - (ii) Sweet potatoes:.....
16. Outline the effects of soil erosion in crop production. (2mks)

SECTION B (20 MARKS)

Answer all questions in the spaces provided in this section

17. The diagram below illustrates a method of irrigation. Study it and answer the questions that follow.



- (i) What is irrigation? (1mk)
- (ii) Identify the method of irrigation above. (1mk)
- (iii) State **two** advantages and **two** disadvantages of the above method of irrigation. (2mks)
- (iv) Other than the above type of irrigation, name **two** other types of surface irrigation. (1mk)