

Name: _____ Class: _____

443/1

AGRICULTURE

FORM 1

END OF YEAR EXAMINATION 2017

TIME: 2 HOURS

Instructions

Read the instructions for each question carefully.

Answer all questions in section A and B, in the provided spaces on the question paper ONLY.

Answer ONLY ONE question in section C, in the provided space after question 26.

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SECTION A :(35 MARKS)

1. List two products obtained from rabbits. (1mk)

2. State two factors that determine soil color. (1mk)

3. Give four reasons why agriculture is registered as an art. (2mks)

4. Identify four factors determining the quality of farm yard manure. (2mks)

5. Given the importance of the following in the water treatment process. (2mks)

i. Coagulation tank being open

ii. Addition of chlorine

6. Outline four properties of clean water. (2mks)

7. State four factors which are considered when choosing type of irrigation method to be used in a farm.(2mks)

8. Name four types of water pumps which can be used on the farm. (2mks)

9. Identify four characteristics of intensive farming (2mks)

10. Sate four importance of drainage (2mks)

11. Give three edaphic factors that influence crop production (1½ mks)

12. Name the type of farm record in which each of the following items are entered (4mks)

i. Date of ploughing

ii. Milk yield

iii. Date cow was served

iv. Date of vaccination against new castle disease.

13. State ant four breeds of rabbits. (2mks)

14. State four reasons for ridging in crop production.(4mks)

15. List any three forms of water that exists in the soil.(1½ mks)

16. Name the livestock breeds described by the following statements (2mks)

a) Heavily build, brownshired,dual purpose to breed cattle

b) Purely black British pig with a long body and erect ears.

c) A heavy American breed of chicken with a light red plumage.

d) An all-white sheep with a blackhead developed by crossing two other breeds

17. What is agroforestry as a method of farming? (2mks)

SECTION B: (35 MARKS)

18. The diagram below represent common farm tools and equipment labeled P,Q,R,S.

1. Identify the tools/equipment by giving the exact name below each tool. (4mks)

2. Give the function of equipment labeled S.

19. Study the diagram below illustrating equipment used in the farm

- a) Identify the equipment. (1mk)

- b) Name the part labeled C.

- c) State the use of the equipment in the farm. (1mk)

- d) Give the maintenance practices carried out on the part labeled A. (2mks)

20. The diagram below illustrates the preparation of compost manure. study it carefully and answer the questions that follow.

- i. Identify the layers labeled P,Q and R above (3mks)

P _____

Q _____

R _____

- ii. State one use of each of the parts labeled P and T. (2mks)

- iii. Outline any four factors which must be considered in selecting a state for making compost manure (4mks)

21. The diagram below shows a soil profile

i. Name the parts labeled. (4mks)

A _____

B _____

C _____

D _____

ii. In which part of the soil profile above are hardpans formed. (1mk)

iii. What causes hardpans in crop production? (2mks)

22. The table below shows incomes generated by four crops that a farmer is deciding to grow.

Crop	Income ksh/ha
Maize	10,000
Beans	16,000
Ground nuts	21,000
Cabbage	25,000

a) Which crop should the farmer choose? Give a reason. (2mks)

b) What is the farmer's opportunity cost (1mk)

c) Under what condition does the opportunity cost become zero? (2mks)

23. Identify any four characteristics of clay soils. (4mks)

SECTION C: (30 MARKS)

24.

a) What is minimum tillage? (2mks)

b) Give any four ways in which minimum tillage is achieved. (4mks)

c) Describe any four reasons for carrying out minimum tillage. (4mks)

25.

a) State any four characteristics of an area where shifting cultivation may be practiced. (4mks)

b) Mention any five uses of livestock to a farmer. (5mks)

c) Differentiate between breed and type in livestock farming (1mk)

26.

a) Explain any three types of horticulture. (6mks)

b) Explain any four effects of high temperature on crop production

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