

NAME INDEX NO.....

SCHOOL..... SIGNATURE..... DATE.....

443/1
AGRICULTURE
PAPER 1
2 HOURS

CATHOLIC DIOCESE OF KAKAMEGA EVALUATION TEST JULY/AUGUST EXAM 2023

Kenya Certificate of Secondary Education (K.C.S.E)

INSTRUCTIONS TO CANDIDATES

- Write your name and index number in the spaces provided above
- Sign and write the date of examination in the spaces provided above
- This paper consists of three sections; A,B and C
- Answer all the questions in section A and B.
- Answer any two questions in section C.
- All answers must be written in the spaces provided.
- This paper consists of 11 printed pages.
- Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.
- Candidates should answer all the questions in English.

FOR EXAMINERS USE ONLY.

SECTION	QUESTION	MAXIMUM	CANDIDATES SCORE
A	1-15	30	
B	16-19	20	
C		20	
		20	
TOTAL SCORE		90	

SECTION A (30 MARKS)

1. List two ways agriculture contributes directly to existence industries in Kenya (1mk)

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2. State four factors that increase seed rates in maize crop. (2mks)

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3. What are four farming practices that destroy soil structure. (2mks)

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4. Give one reason for carrying out each of the following practices in crop production;

- a). Shading of a nursery. (1mk)

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- b). Hardening off. (1mk)

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- c). Gapping (1mk)

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5. Give four reasons for preparing land early before planting a crop. (2mks)

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6. List four reasons for pruning fruit crops. (2mks)

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7. State four functions of agroforestry to a maize crop.

(2mks)

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8. State four sources of organic matter in the soil.

(2mks)

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9. State four branches of livestock farming.

(2mks)

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10. What is meant by the term preference and choice as used in agricultural economics. (1mk)

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11. List four disadvantages of chemical pest control in crop production.

(2mks)

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12. State four functions of nitrogen in crops.

(2mks)

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13. Name four classes of weeds.

(2mks)

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14. State four factors that would affect the quality of silage.

(2mks)

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15. Give two changes that indicates improvement in labour efficiency.

(1mk)

SECTION B (20 MARKS)

Answer all questions in the spaces provided.

16. Study method of farming shown below.

Homestead	Dairy unit
Maize crop farm	Nappier grass

a). Name method of farming shown above.

(1mk)

b). State three importance of above illustrated method of farming.

(3mks)

17. A farmer is advised to apply 200kgs of Nitrogen per Hectare on his 4 ha piece of land of maize. If the fertilizer available is 10:20:0, calculate the quantity of the compound fertilizer the farmer needs. (show your working)

(5mks)

18. The table below shows the population and gross domestic products of countries A and B.

Country	Gross domestic product (million Kshs.)	Population(millions)
A	2000	40
B	1000	10

a). Calculate the per capita income for each country. Show your working.

(2mks)

b). Which of the two countries is more developed economically?

(1mk)

- c). Other than per capita income what other parameters can be used to measure economical development of a country. (2mks)

19. The following is a farm record of Mr. Wepukhulu as at 30th May 2023. Study it and use it to prepare balance sheet.

Creditors	20,050
Bank loan	40,000
AFC loan	500,000
Coffee worthy	130,000
Tractor	220,000
Bank overdraft	24,500
Cash in bank	31,500
Poultry	200,000
Debtors	90,000
Rent	30,000

Prepare a balance sheet.

(6mks)

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SECTION C (40 MARKS)

Answer two questions in this section

20. a).i) Outline Five ways strong wind on the farm affects crop production negatively. (5mks)
- ii). Give Five effects of biotic factors affects crop production (5mks)
- b). Explain five farming activities which may encourages soil erosion. (10mks)
21. a). State seven advantages of land consolidation (7mks)
- b). Outline eight importance of irrigation in crop production. (8mks)
- c). Explain five ways agroforestry trees seeds should be prepared before planting (5mks)
22. a). Describe maize production under the following sub-topics;
- i). Land preparation. (4mks)
- ii). Planting (7mks)
- iii). Harvesting (3mks)

