

KCSE PREDICTIONS 2020

AGRICULTURE PAPER 1

SECTION A (30 MRKS)

Answer all question in this section in the space provided

1. Differentiate between olericulture and pomoculture as used in crop production .(1mrk)

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2. List the physical weathering agents in soil formation process (1 ½ mrks)

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3. Give four method of farming (2mrks)

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4. Give two examples for each of the following types of cost incurred in broiler production .

a) Variable cost (2 marks)

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b) fixed cost (2 marks)

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5. Give four advantages of crop rotation .(2mrk)

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6. State four factors that that should be considered when classifying crop pest (2mrks)

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7. Give three reasons why a water logged soil is unsuitable for most crops(1 ½)

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8. Give four advantages of tissue culture (2mrks)

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9. Outline four observable indicators of economic development of a nation (2mrks)

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10. Outline four indicators of well decomposed manure (1 ½)

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11. Give two conditions where opportunity cost does not exist (2mrks)

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12. Give four management practice that promote high herbage yields in pasture production (2mrks)

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13. Give three reasons why primary cultivation should be done early before the onset of the rains(1 ½)

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14. Give two examples of farm records that are general in nature .(1mrk)

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15. Give four role of nitrogen in plants (2mrks)

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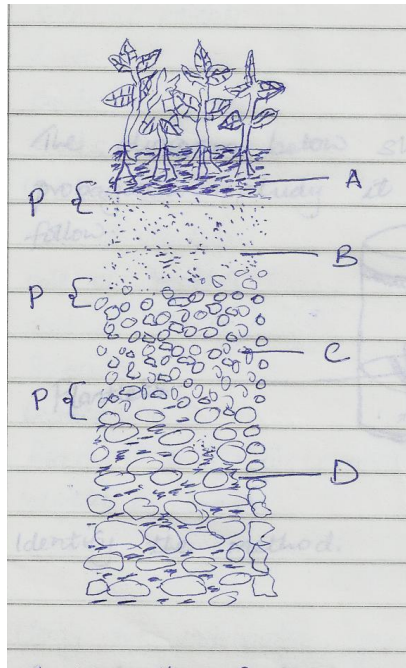
16. Give four benefits of possessing a land title deed (2mrks)

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SECTION B (20 MRKS)

Answer all the questions in this section in the spaces provided

17. The diagram below illustrates a feature observed after digging the soil several metres deep Study the diagram carefully and answer the question that follow



a) Identify the feature that the diagram above represents in the study of soil (1mrk)

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b) What is the name given to the part labeled p(1mrk)

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c) Give a reason why part b is also referred to as layer of accumulation (1mrk)

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d) State two ways in which the knowledge of the above feature would be of benefit to farmer (2mrks)

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18The diagram below shows a method of crop propagation .Study it and answer the questions that follow



a) Identify the method (1mrk)

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b Name two crops that can be propagated using this method.(1mrk)

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c. Give three ingredients used when preparing the tissue culture.(1 ½)

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19.The following information was obtained from the records of Mr Juma’s farm for the year ended on 31st march 2011

<u>Particulars</u>	<u>kshs</u>
Opening Valuation	100,000
Calves	72,000
Hired Labour	21,000
Sales of milk	13,000
Sales of cereals	33,000
Rent	9,000
Feed	5,300
Seed	1,700
Fertilizers	4,700
Sales of Vegetables	9,300

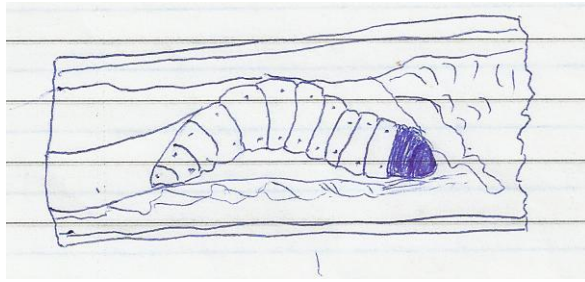
Sales of poultry	1,800
Sales of fruits	700
Pesticides	1,250
Depreciation	650
Repair and Maintenance	950
Interest on loans	200
Closing Valuation	9,0000

a) using the information given above , prepare a profit and loss account for Mr Juma’s farm for the year ended 31st March (7mrks)

b) Giving a reason, State whether Mr. Juma’s farm made a profit or loss (½ mark)

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20) The diagram below shows a maize stalk infected by a certain pest .Study it and answer the questions that follow .



a) Identify the pest (1/2)

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b) Apart from maize, name another crop attacked by the pest named above (½ mark)

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c) Give three cultural measures that can be applied to control the pest (3mrks)

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SECTION C (40MARKS)

Answer any two questions in this section in the spaces provided

21a) Describe six advantages of rotational grazing (6mrks)

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c) Explain eight ways in which soil fertility can be maintained (8mrks)

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d) Explain six factors considered when drawing a farm plan (6mrks)

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22a) Explain the factors that influence the type of irrigation to be used in a farm (8mrks)

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d) Explain six reasons for pruning coffee.(6mrks)

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