

443/1

NAME..... INDEX NO.....

SIGNATURE..... DATE.....

ASUMBI GIRLS HIGH SCHOOL
POST -MOCK 1
AUGUST/SEPTEMBER
2022

AUGUST / SEPTEMBER - 2022

AGRICULTURE

PAPER 1

2 HOURS

INSTRUCTIONS TO CANDIDATES

1. Write your name and ADM. Number in the spaces provided above.
2. Sign and write the date of examination in the spaces provide above.
3. This paper consist of three sections A, B and C.
4. Answer all the questions in section A and B.
5. Answer any two questions in section C.
6. All answers should be written in the spaces provided.
8. All answers must be written in English.
9. This paper consist of 14 printed pages.
10. Candidates must check to ascertain that all the pages are printed as indicated and that no question is missing.

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE SCORE
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A	1-16	30	
B	17 -20	20	
C		40	
TOTAL SCORE		90	

SECTION A 30 MARKS

ANSWER ALL THE QUESTIONS IN THIS SECTION IN THE SPACES PROVIDED

1.State **three** ways in which crop rotation improves soil fertility. (1½marks)

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2.List **four** methods of farming. (2 marks)

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3.Give **four** importance of cost as used in agricultural economics. (2 marks)

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4.List **four** factors a farmer considers when siting a nursery bed. (2 marks)

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5. State **four** ways in which government policy contributes to agriculture. (2 marks)

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6.State **four** disadvantages of concession land tenure. (2 marks)

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7.Give **four** reasons why cereal grains should be dried before storage. (2 marks)

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8.State **three** importance of cutting back in pyrethrum. (1½marks)

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9.Outline **four** observable indicators of economic growth of a country. (2 marks)

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10.State **four** solutions that can help solve the problem of perishability in horticultural crops. (2 marks)

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11.Give **four** disadvantages of using organic manures in crop production. (2 marks)

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12.State **four** ways in which chemical kills the weeds in the crop field. (2 narks)

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13.State **four** management practices that promote high herbage yields in pasture production. (2 marks)

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14.Distinguish between seed dressing and seed inoculation. (2marks)

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15.State **four** agriculture support services available to a crop farmer (2 marks)

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16.State **two** precautions to be taken when harvesting cotton. (1 mark)

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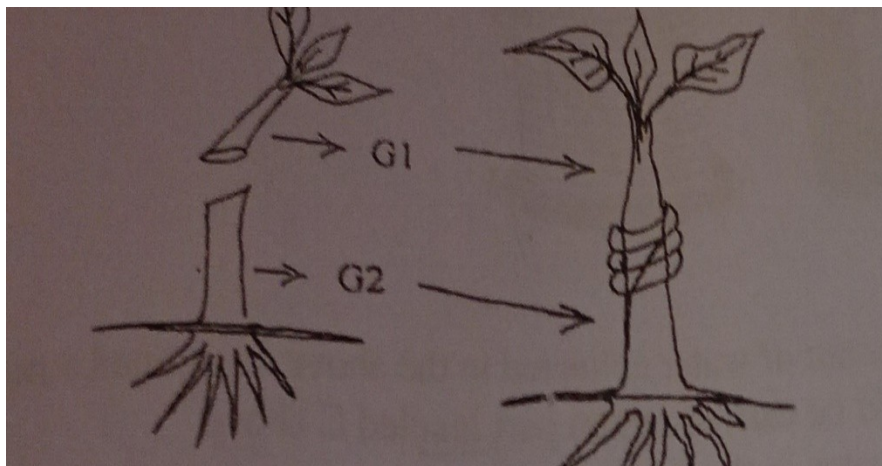
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SECTION B 20 MARKS

ANSWER ALL THE QUESTIONS IN THIS SECTION IN THE SPACES PROVIDED

17.The diagram illustrated below shows a method of grafting. Study it carefully and answer the questions that follow.



a) Identify the type of grafting illustrated above. (1 mark)

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b) Name the parts named G1 and G2. (1 mark)

G1.....

G2.....

c) State **three** advantages of grafting in agroforestry. (3 marks)

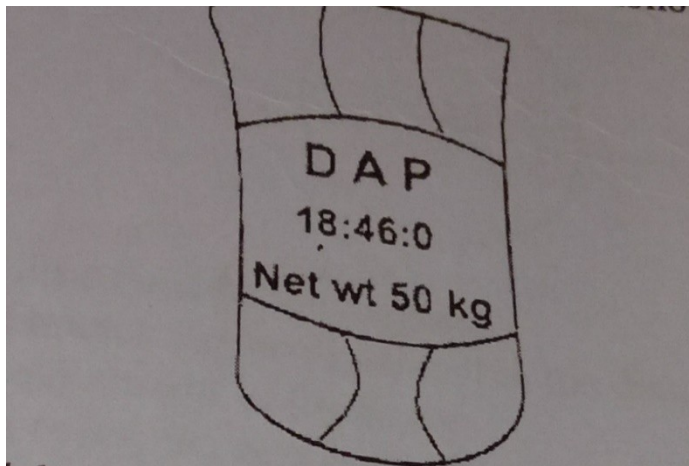
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18. The diagram illustrated below shows a DAP fertilizer bag. Study it carefully and answer the questions that follow.



a) What do the figures labelled on the diagram stand for. (1 mark)

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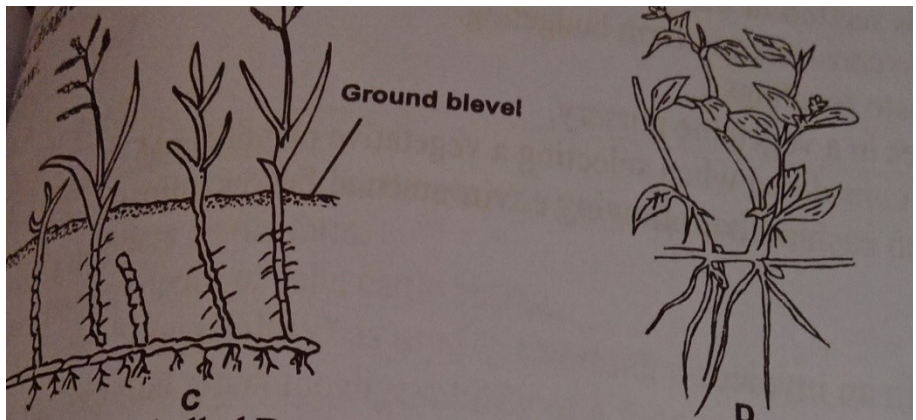
b) With a reason name the class of inorganic fertilizer that DAP belong. (2 marks)

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c) Calculate the amount of filler material in 200 kg of DAP with a fertilizer grade of 18:46:0. (2 marks)

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19. The diagrams illustrated below shows common weeds. Use them to answer the questions that follow.



a) Identify the weeds labelled C and D. (2 marks)

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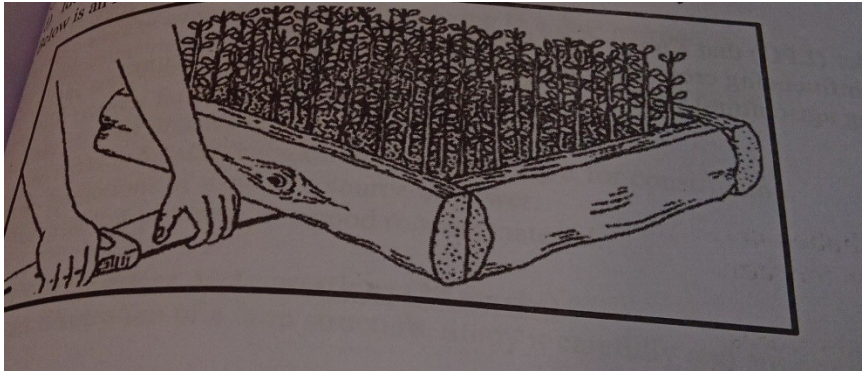
D.....

b) Classify the weed labelled C according to plant morphology. (1 mark)

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c) Give **one** reason why it is difficult to control the weed labelled D. (1 mark)

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d) Name the appropriate category of herbicide used to the control weed labeled C.(1 mark)

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20.The diagram illustrated below shows an activity carried out in agroforestry. Study it carefully and answer the questions that follow.



a) Identify the activity illustrated above. (1 mark)

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b) Sate **two** reasons for carrying out the activity identified above. (2 marks)

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c) Name **two** tools that may be used to carry out the activity illustrated above. (2 marks)

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SECTION C 40 MARKS

ANSWER ONLY TWO QUESTIONS IN THIS SECTION IN THE SPACES PROVIDED AFTER THE QUESTIONS

21. a) The following information was found in Mr. Kamau's farm record for the year ending December 2014. Study it carefully and answer the questions that follow.

Bought goats	4,000
Bought poultry	15,000
Bought dairy meal	25,000
Bought pasture seeds	50,000
Transportation of farm produce	15,000
Paid casual workers	12,000
Hired an ox-plough	10,000
Opening valuation	150,000
Sale of mohair	75,000
Sale of rabbits	36,000
Sold dairy cow	70,000
Received cash from the sale of wheat	100,000
Sold cabbages	20,000
Received money from the sale of eggs	15,000
Closing valuation	200,000

i) Prepare a profit and loss account for Mr. kamau's farm. (7 marks)

ii) Did he make a profit or loss. (1 mark)

iii) Calculate the percentage profit or loss that Mr. Kamau made. (2 marks)

b) Outline **five** functions of Kenya National Federation of producers in Kenya. (5 marks)

c) Explain **five** effects of soilfluction. (5 marks)

22.a) Explain **eight** factors that influence the type of irrigation to be used in a farm. (8 marks)

b) Outline **five** importance of draining agricultural land. (5 marks)

c) Explain **seven** safety precautions observed when spraying herbicides. (7 marks)

23a) Explain **ten** functions of marketing. (10 marks)

b) Explain **five** factors that should be considered when deciding the depth of planting seeds. (5 marks)

c) Outline **five** characteristics of a green manure crop. (5 marks)

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