EXTRACOUNTY MOCK

AGRICULTURE

Class of KCPE March 2022

For Marking Schemes Call Mr Machuki 0795491185.

Kenya Educators Contacts:

+254795491185

kenyaeducators@gmail.com

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EXTRACOUNTY MOCKS

AGRICULTURE

PAPER 1

Name…………………………….……………………………. Index Number:…….……………..............

School ……

Candidate's Signature……………………………….…………. Date……………………...…………...

AGRICULTURE

PAPER 1

TIME: 2Hours

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 should be written in the spaces provided.*
- *This paper consists of 11 printed pages.*
- *Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.*
- *Candidates should answer all the questions in English.*

For Examiner's Use Only:

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1-17	30	
B	18-21	20	
C		20	
		20	
	TOTAL SCORE	**90**	

SECTION A (30 MARKS)

1. State **two** benefits of optimum soil temperature in crop production (1 mark)

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2. Name **three** branches of horticulture. $(1\frac{1}{2}mks)$

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3. State **four** factors a farmer should consider when choosing the farming system to undertake.

(2marks)

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

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5. Give **four** pieces of information found on a delivery note. (2marks)

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6. State **four** reasons for deep ploughing during land preparation. (2marks)

7. Give **four** soil factors that influence soil productivity. (2 marks)

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8. Give **three** factors affecting elasticity of demand $(1\frac{1}{2}mks)$

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9. Differentiate between seed inoculation and seed dressing. (1mark)

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10. State **four** effects of soil erosion. (2marks)

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11. Outline **four** practices necessary to improve and maintain permanent pastures. (2marks)

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12. State **four** factors that affect the rooting of cuttings in tea and sugar cane. (2 marks)

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13. State **four** reasons for mulching.   (2 marks)

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14. Give the function of each of the following in the preparation of compost manure.   (2marks)

   a) Top soil

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   b) Well rotten manure

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   c) A thin layer of wood ash

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   d) Long pointed stick

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15. State **four** deficiency symptoms of phosphorus.   (2 marks)

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16. State **four** characteristics of nitrogenous fertilizers.   (2 marks)

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17. Give **two** reasons why root pruning is done in the nursery management in agro forestry.
(1 mark)

SECTION B (20 MARKS)

18. The illustrations labelled A and B show some farm structures used in soil and water conservation. Study them carefully and answer the questions that follow.
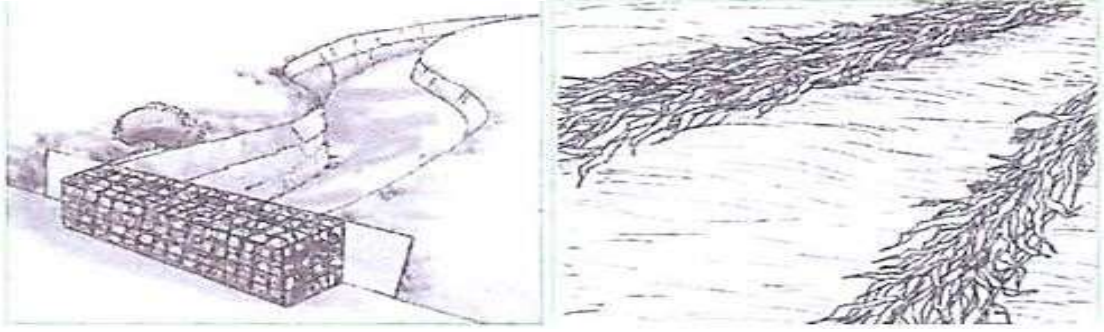
A   B

a) Identify structures A and B.   (1 mark)

A……………………………………………………………………………………….

B……………………………………………………………………………………….

b) Name the type of soil erosion controlled by structures A and B.   (2 marks)

A……………………………………………………………………………………….

B……………………………………………………………………………………….

c) State **two** ways in which the structures help to control soil erosion.   (2 marks)

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19. The diagrams below illustrate irish potato seed preparation before planting. Study it carefully and answer the questions that follow.
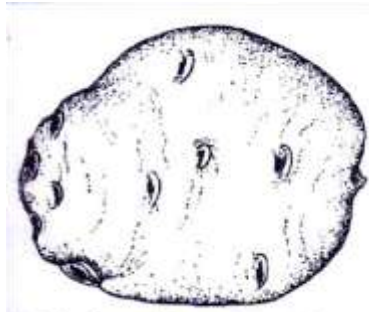
(a) Before the Practice.   (b) After the Practice.
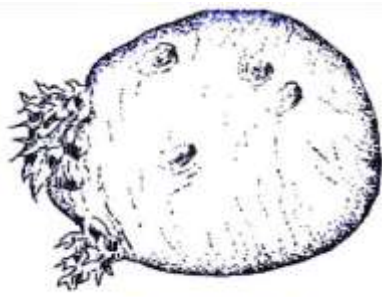
a) Name the practice used in preparing the seed potato above before planting.   (1 mark)

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b) Describe the procedure followed in preparing the seed potatoes for planting.   (3 marks)

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c) Give **one** reason for carrying out the practice named above.   (1 mark)

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20. The diagram below shows a tomato fruit affected by a pest. Study it carefully then answer the questions that follow.

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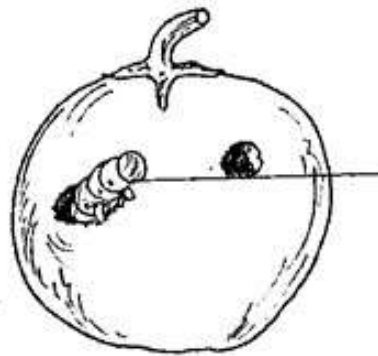
a) Identify the pest labeled **P**   (1 mark)

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b) State **one** method used to control the pest.   (1 mark)

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c) State any **three** factors to consider when selecting tomato fruits for marketing. (3 marks)

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21. The photographs below show common weeds C and D in pasture land. Study them carefully and answer the questions that follow.

C

D

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

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D……………………………………………………………………………………………

b) Classify weed D according to plant morphology.   (1 mark)

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c)   State the major problem posed by each of the weeds above in pasture land.   (2 marks)

C……………………………………………………………………………………………

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SECTION C (40MARKS)

22. a) State **five** benefits of sowing annual crops early.   (5marks)

b) Describe **eight** effects of fragmentation and sub division of land.   (8marks)

c) Explain how government policies affect agricultural production.   (7 marks)

23. a) Describe the various field management practices for tomatoes.   (8marks)

b) State the precautions that should be observed when harvesting cotton.   (4marks)

c) Explain **four** importance of crop rotation.   (8marks)

24. a) Explain **four** factors to consider in choosing the type of irrigation to use in the farm.

(8marks) b)

Explain **five** farming practices that destroy soil structure. (5marks)

c) Describe **seven** reasons why farmers need to keep good farm records. (7marks)

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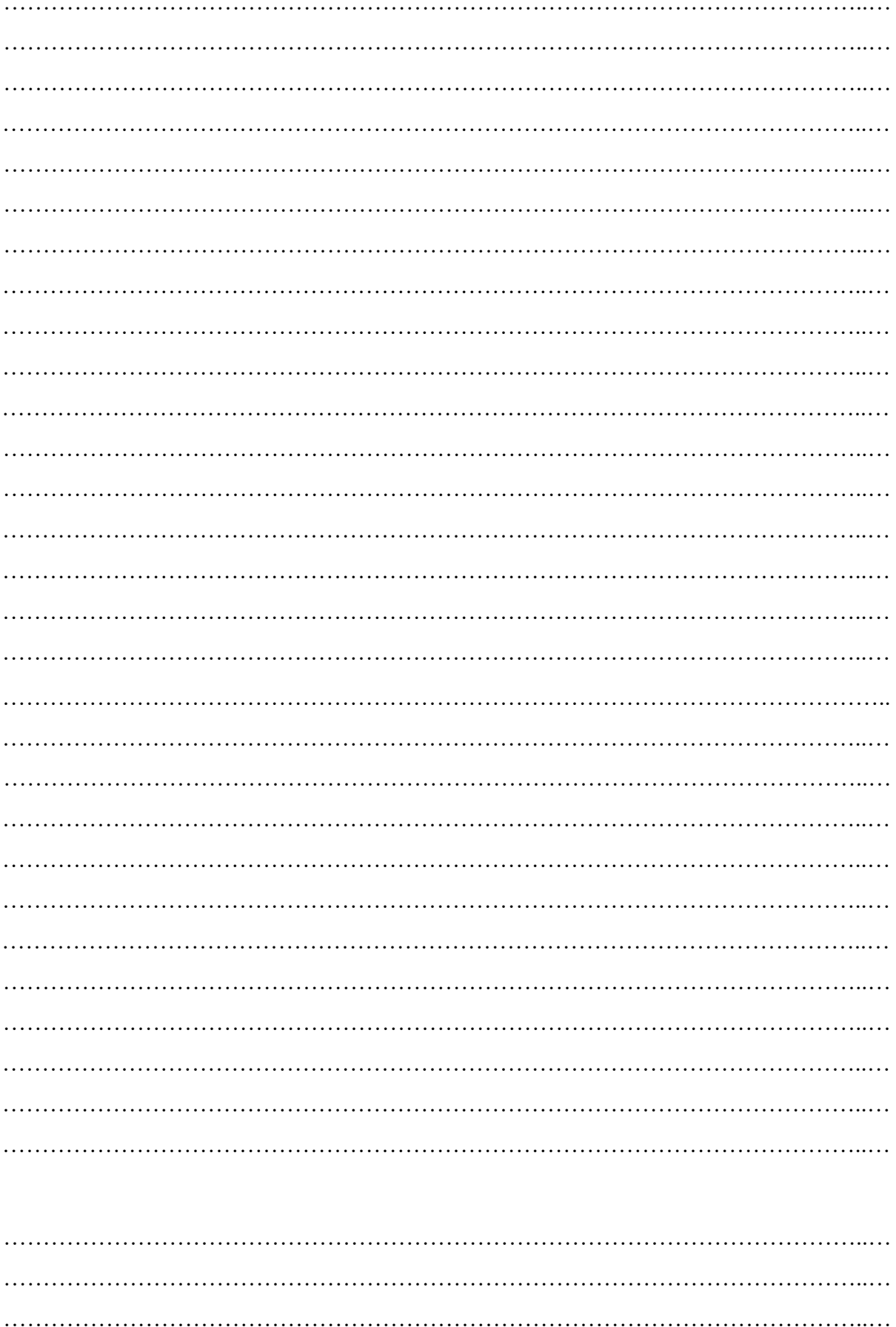
EXTRACOUNTY MOCKS

AGRICULTURE

PAPER 2

NAME……………………………………………… ADM NO……CLASS……

STREAM…………………………………………… DATE ………………

SIGN ....

443/2
AGRICULTURE
PAPER 2
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- *Write **your name** and **Index number** and **sign** in the spaces provided above.*

- *Answer **ALL** the questions in section **A** and **B** in the spaces provided in this booklet.*

- *Answer **any two** questions in section **C** in the spaces provided after the last question.*

For Examiner's Use Only:

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1-18	30	
B	19-21	20	
C	22-24	40	
	TOTAL	**90**	

SECTION A (30MARKS)

Answer all the questions in this section.

1.   State **two** reasons of using farm tools and equipment in the farm.   (2mks)

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2.   State **three** reasons that would make a farmer prefer to keep indigenous cattle breeds instead of exotic cattle breeds.   (1½mks)

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3.   State **three** characteristics of Bactrian (*Camelus bacterianus)* type of camel.   (1½mks)

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4.   Name **four** factors that influence the pulse rate in farm animals.   (2mks)

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5.   State **three** symptoms of endoparasites attack in livestock.   (1½mks)

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6.   State **four** factors that determine the amount of food given to an animal.   (2mks)

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7.   Name **three** advantages of using a machakos dip as compared to a plunge dip   (1½mks)

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8.   State **four** factors considered when selecting construction materials.   (2mks)

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9.   Name **three** methods a farmer can use when selecting livestock for breeding in the farm. (1½mks)

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10. State **three** signs of heat in a doe.   (1½mks)

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11. State **four** reasons for carrying out identification in livestock.   (2mks)

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12.   State **two** diseases that commonly affect bees in bee farming.   (2mks)

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13.   State **four** methods a farmer can use when preserving fish after harvesting.   (2mks)

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14.   State **four** factors that determine the choice of poultry rearing system that a farmer chooses to use.

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15.   State **one** advantage of using mobile calf pen in calf rearing.   (1mk)

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16.   State **two** disadvantages of a two stroke engine.   (1mk)

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17.   State **two** factors that could cause sudden stopping of a tractor engine.   (1mk)

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18.   State **four** disadvantages of animal drawn implements over tractor drawn implements. (2mks)

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SECTION B (20MARKS)

Answer all questions in this section.

19.   The diagram below shows a tractor drawn implement. Study it and answer the questions that follow.
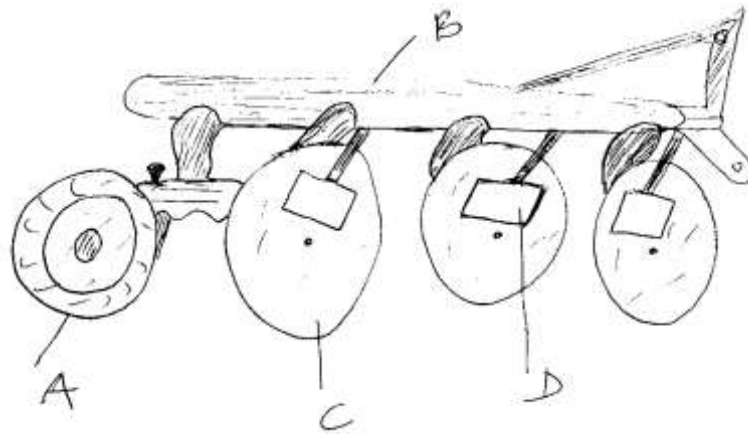
a) Name the parts A, B, C and D.   (4mks)

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b) State **two** advantages of using the above implement over mould- board plough.   (2mks)

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c) State the function of the parts labeled.   (2mks)
    i) A

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    ii) D

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20.   The diagram below shows livestock parasites. Study the diagrams and answer the questions that follow.
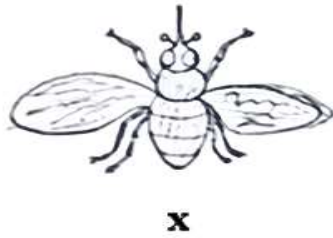
a) Identify the parasites X and Y above. (2mks)

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b) State **two** effects that are caused by the parasite labeled X on the animal's body. (2mks)

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c) Name **one** disease transmitted by parasite labeled X above. (1mk)

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d) State **three** measures taken to control the parasite labeled Y above. (3mks)

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21.   Study the diagram below and answer the questions that follow.

a) Identify the livestock equipment marked E above. (1mk)

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b) State **three** reasons that make branding be discouraged as a method of livestock identification.

(3mk)

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c) What is caponisation as used in poultry production. (1mk)

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SECTION C (40 MARKS)

Answer any two questions.

22. a) State and explain **five** factors that predispose livestock to diseases. (10mks)

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b) State and explain **five** factors a farmer will consider when siting beehives in the farm. (10mks)

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23.   a) Briefly state and explain **five** equipment a farmer will need when milking and state their uses.
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     b) Explain **five** factors to consider when selecting a breeding stock.   (10mks)
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24.   a) State and explain **four** materials collected by bees.   (8mks)

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    b) State and explain the use of **four** equipments a honey harvester would require to have when
       harvesting honey.   (8mks)

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    c) List **four** main reasons that make fish farming popular. (4mks)

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