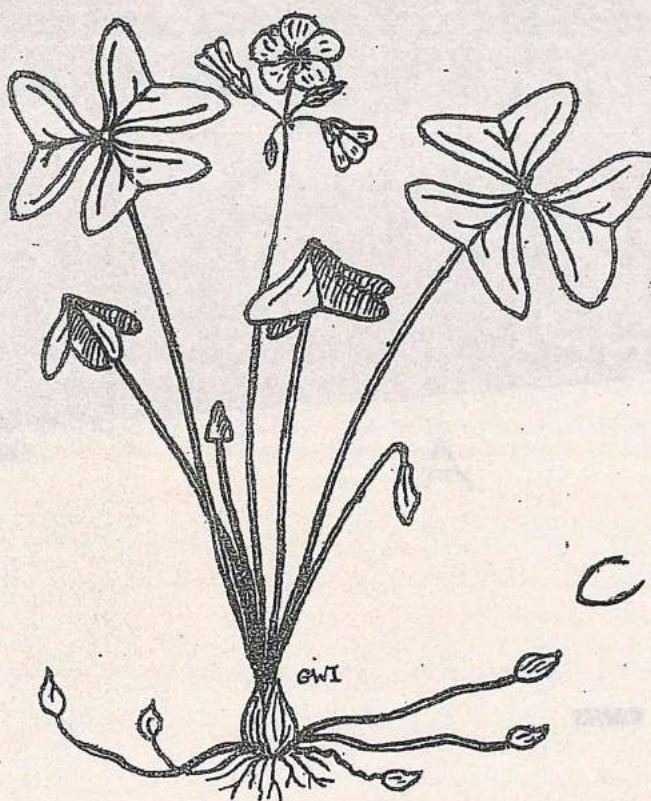


(d) Name **four** methods that are used to control bird pests in a field of sorghum (2mks)

(e) Name **two** other pests that attack this crop (1mk)

(f) Give **two** effective cultural methods of controlling one of the pests you have identified in (e) above. (1mk)

21. Diagrams B and C below show some common weeds. Study them and answer the questions below.



(a) Identify the weeds (1mk)

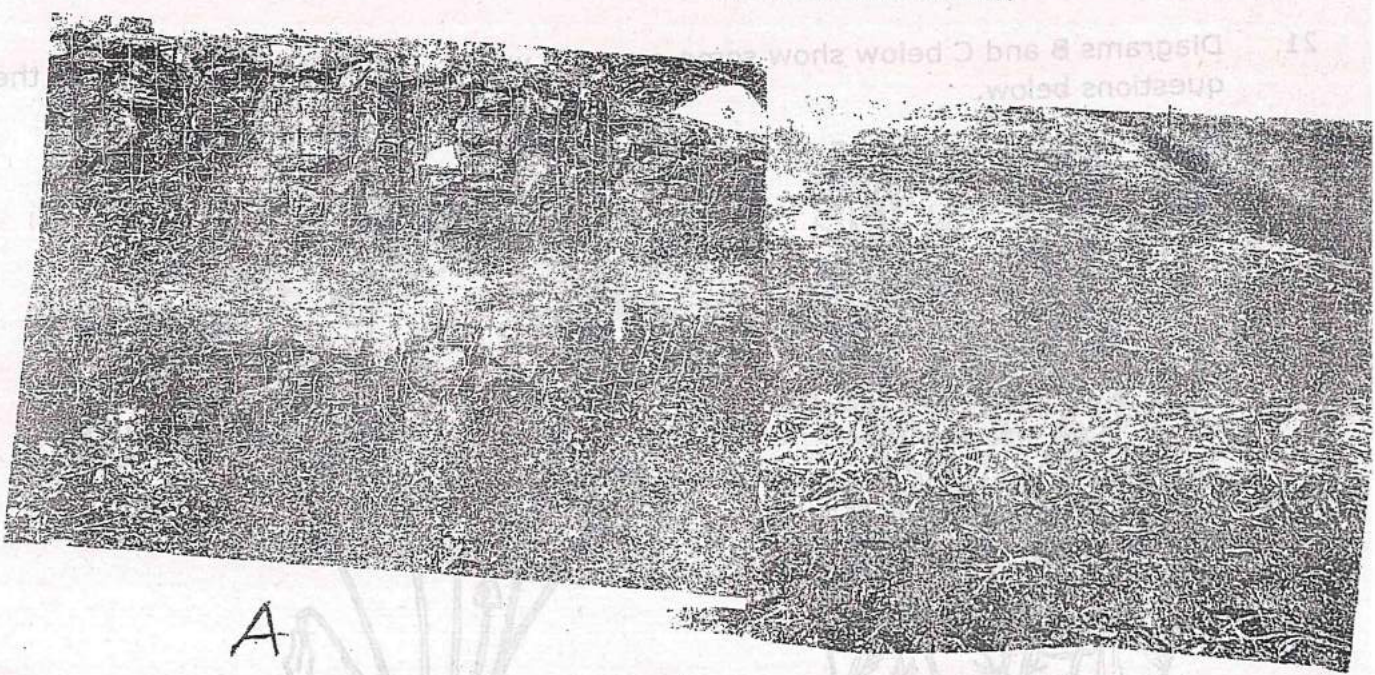
B _____ C _____

(b) State **one** economic importance of weed C (½ mk)

(c) Why is it difficult to control weed B (1mk)

(d) Name **two** examples of systemic herbicides which can be used to control the weed labeled B (1mk)

22. The illustrations A and R below show some soil and water conservation structures of the farm. Study them and answer the questions that follow.



A

R

(a) Identify the structures Q and R (1mk)

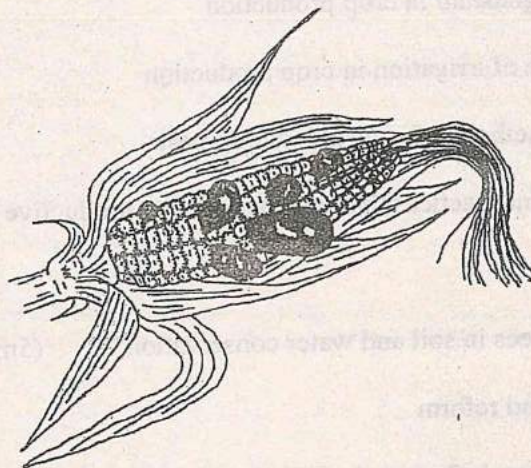
Q _____ R _____

(b) Name the types of soil erosion controlled by the structures (1mk)

(c) State **two** ways in which the structures help to control soil erosion (1mk)

(d) Give **two** materials that can be used in the construction of structure Q (1mk)

23. The diagram below shows a maize cob attacked by a certain disease. Study it carefully and then answer questions that follow



(a) Identify the disease (1mk)

(b) Name the organism that causes the disease (1mk)

(c) State **three** cultural methods for controlling the disease (1½ mks)

24. Students were to apply a compound fertilizer of grade 5:20:10 on their agricultural plot of dimensions 3m x 4m at the rate of 200kg per hectare.

(a) Calculate the amount of fertilizer they would require for the plot (2mks)

Section C (40 marks)

Answer any TWO questions in this section in the spaces provided after no.27

25(a) Explain five factors to be considered in farm planning (5 marks)

(b) Explain six factors that should be considered when selecting seeds for planting (6 marks)

(c) Describe the role of magnesium in crop production (4 marks)

26(a) Explain the importance of irrigation in crop production (5 marks)

(b) Explain five physical methods of controlling crop pests (10 marks)

(c) Explain five management practices that can increase the productive life of a pasture stand (5 marks)

27 (a) Explain five roles of trees in soil and water conservation (5marks)

(b) State five objectives of land reform (5marks)

(c) Explain five factors that may influence the spacing of crops (5 marks)

(d) State five reasons for establishing plants in a nursery before transplanting (5marks)



MANGU HIGH SCHOOL

AGRICULTURE

Paper 2

Form 4

Name.....

Adm. No.....

Section A (30 marks)

Instructions: Answer all questions in this section in the spaces provided

1. Define the term breeding as used in livestock production 1mark

2. Give two reasons that make it necessary to feed bees 1mark

3. Give four reasons carrying out steaming-up in dairy cows 2marks

4. Give two uses of a soil auger on the farm 1 mark

5. Name four breeds of rabbits kept for meat production

6 Name four uses of farm buildings

2 marks



7 State three methods of contagious abortion in cattle

(1½marks)

8. State the gestation periods of the following animals

(1 marks)

i) Sow

ii) Cattle

9. Give four advantages of concrete walls over wooden walls in farm buildings (2 marks)

10. State three disadvantages of using charcoal jiko in a one day old chick's brooder (1½marks)

11 State three circumstances that would lead a farmer to cull a high producing dairy cow. (1½marks)

12 State four maintenance practices carried out on a jackplane (2 marks)

13 State three uses of magnesium in the body of an animal (1½ marks)

14. State five methods a farmer would use to control livestock diseases (2½ marks)

15 State four methods of controlling internal parasites in farm animals (2 marks)

16 List four routine management practices carried out on dairy bull calves (2 marks)

17 Give four reasons why it is desirable to feed colostrum when rearing piglets (2 marks)

18 State two advantages of artificial incubation compared to natural incubation as a method of hatching chicks (2 marks)

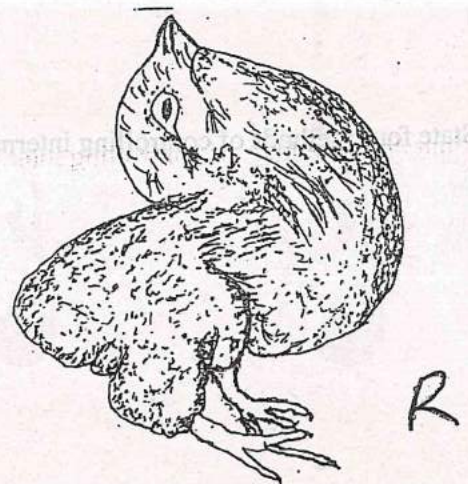
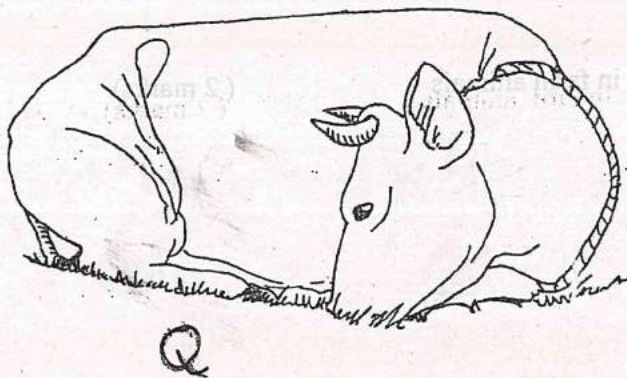
19 Name two groups into which vitamins are classified (1 mark)

20. Define the term out-crossing as used in livestock breeding (½ mark)

Section B (20 marks)

Answer all questions in this section in the spaces provided

21. The diagrams Q and R below represent farm animals suffering nutritional deficiency diseases. Study them carefully and answer the questions that follow:



(i) Identify the disease in Q and R (1 mark)

Q

R

(ii) Name the nutrients whose deficiency has caused the disease in each case above (1 mark)

Q

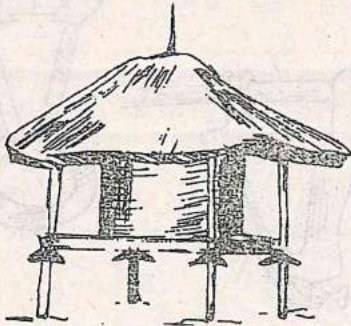
R

(iii) At what stage or body condition would predispose the animal to the disease in Q? (1 mark)

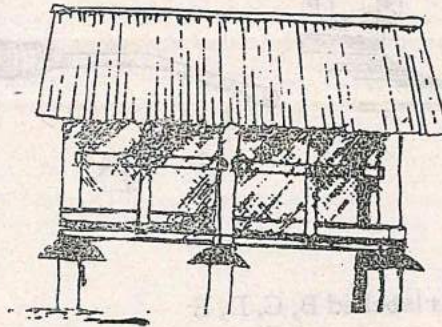
(iv) State two methods of alleviating the condition in Q

(1 mark)

22 Study the two diagrams D and E and answer the questions that follow



D



E

(i) Identify the structure D and E

D-

E-

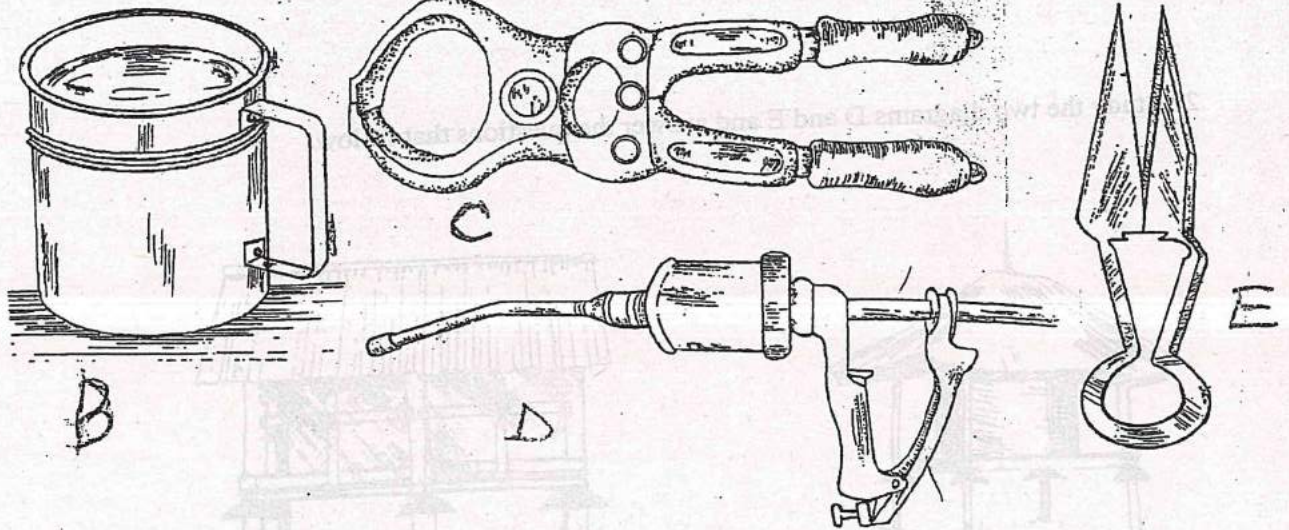
(1 mark)

(ii) State four structural features common in both D and E for protecting maize (2 marks)

(iii) State two maintenance practices carried out on the structures

(2 marks)

23. Study diagrams B, C, D, E below which illustrate livestock handling tools and answer the questions that follow.



i) Name the tools labelled B, C, D, E

(2 marks)

B

C-

D-

E-

(ii) State the use of each of the tools B, C, D, E

(2 marks)

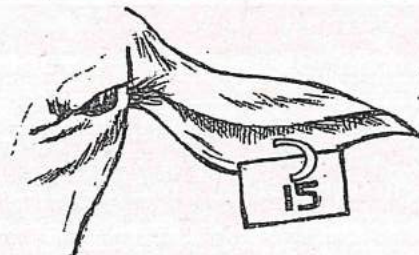
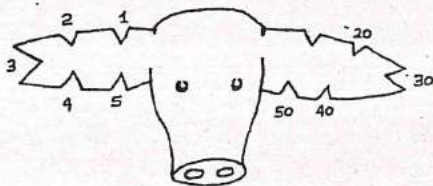
B

C-

D-

E-

24 The diagrams T and U below illustrate a practice carried out on livestock. Answer the questions after studying the diagrams.



(a) (i) Identify the practice shown in T and U

(1 mark)

(ii) Name the methods in T and U

(2 marks)

T-

U-

(iii) State one advantage of method T over U

(1 mark)

(iv) By using method of practice in T draw the animal whose number is 100. (2mark)

(v) Give two reasons why the practice T and U is practised

(1 mark)

Section C (40 marks)

Answer any TWO questions in this section in the spaces after question 27

25.(a) Give five qualities that eggs for incubation should have

5 marks

(b) Describe the procedures that should be followed to ensure clean milk production

(10 marks)

(c) State five ways by which a farmer can minimise loss of farm tool from the farm.

26 (a) Describe how a calf is trained to drink milk from a bucket

(5 marks)

(b) State five limitations of animal power on the farm

(5 marks)

(c) State four factors that may necessitate culling in a flock of layers

(4 marks)

(d) Outline six features in a camel adaptation that enable them to survive in arid areas

(6 marks)

27 (a) Describe maintenance practices carried out on farm buildings

(10 marks)

(b) Describe the digestion of grass in the rumen of an adult ruminant

(6 marks)



MANG'U HIGH SCHOOL

BUSINESS STUDIES

END-TERM EXAM (March-April)

FORM Four

Time: 2 hours

Name-----Class----- Adm. No -----

Date-----

Instructions to Candidates

- ❖ Write your name and admission number and in the spaces provided above
- ❖ Write the date of the examination in the spaces provided above
- ❖ Answer all the questions
- ❖ All answers must be written in the spaces provided in this booklet
- ❖ This paper consist of 7 printed pages
- ❖ Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing

For examiner's use only

TOTAL MARKS

1. Highlight **four** factors that affect the quantities of potatoes in the market. (4 marks)

- (i)
- (ii)
- (iii)
- (iv)

2. Highlight **four** benefits of operating a large scale retail outlet to a trader. (4 marks)

- (i)
- (ii)
- (iii)
- (iv)

3. Outline **four** roles that a business plan plays to an entrepreneur (4 marks)

- (i)
- (ii)
- (iii)
- (iv)

4. Highlight **four** advantages of transacting business using e-commerce. (4 marks)

- (i)
- (ii)
- (iii)
- (iv)

5. Outline **four** causes of demand-pull inflation in Kenya. (4 marks)

- (i)
- (ii)
- (iii)
- (iv)

6. Identify the books of original entry used in recording each of the following transaction of solo traders. (4 marks)

	Transaction	Book of original entry
a)	Sold goods on credit to Wanjiku for Sh. 20,000	
b)	Bought goods on credit from Sushi Traders for Sh. 10,000	
c)	Azoth returned goods worth sh. 6,000	
d)	Solo returned goods worth sh. 11,000 to Nova Traders	

7. Over the years, Superstar has grown into a large enterprise. Highlight **four** internal diseconomies of scale which it may be experiencing. (4 marks)

- (i)
- (ii)
- (iii)
- (iv)

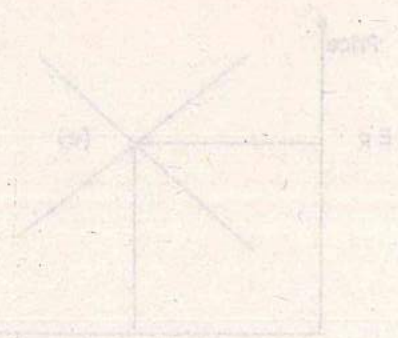
8. Record the following transactions relating to Kibaki stores in the general journal (4 marks)

2011

8th June: A photocopier worth Kshs. 93,000 was purchased on credit from Lisa paper works

9th June: bought goods on credit worth Kshs. 50,000 from Kamau traders

10th June: An old motor vehicle worth Kshs. 250,000 was sold to Iten Traders on credit



9. Outline **four** demerits of using electronic filing. (4 marks)

- (i)
- (ii)
- (iii)
- (iv)

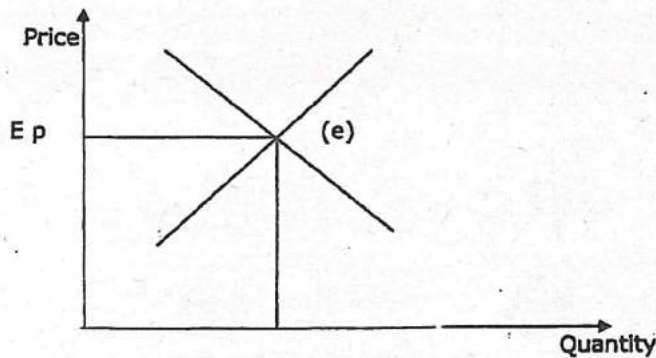
10. Highlight **four** trends in international trade. (4 marks)

- (i)
- (ii)
- (iii)
- (iv)

11. State **four** major decisions made by senior managers in a production firm. (4 marks)

- (i)
- (ii)
- (iii)
- (iv)

12. Identify the state of the market in the diagram given below. Highlight **two** characteristics of this market.



State of the market.

- (i)
- (ii)

Characteristics of the market

- (i)
- (ii)

13. Outline **four** circumstances when containers can be used to transport goods.

(4 marks)

- (i)
- (ii)
- (iii)
- (iv)

14. Insurance firms operate under the concept of pooling of risk. Outline **four** benefits of pooling of risk to the insurance firms.

(4 marks)

- (i)
- (ii)
- (iii)
- (iv)

15. In the table below, indicate the effect of the transactions described on the balance sheet totals. Use either increase, decrease or no effect.

(4 marks)

No.	Transaction	Effect on the balance sheet totals
(a)	The owner cleared a business debt worth Kshs. 10,000	
(b)	Paid creditors Kshs. 25,000 in cash	
(c)	Deposited Kshs. 20,000 cash into the bank account	
(d)	Took a banks overdraft of Kshs. 35,000	

16. There is a recent trend of reviving the railway transport in Kenya. State **four** benefits that will accrue to the economy of Kenya.

(4 marks)

- (i)
- (ii)
- (iii)
- (iv)

17. Outline **four** reasons why the government gets involved in business activities

(4 marks)

- (i)
- (ii)
- (iii)
- (iv)

18. State **four** circumstances when a public corporation may be dissolved. (4 marks)

- (i)
- (ii)
- (iii)
- (iv)

19. The following statements relate to the different types of taxes in our country today.

For each statement name the type of tax it describes (4 marks)

Statement	Type of tax
a) Paid by anyone who earns an income	
b) A tax levied on the transfer of capital from one person to another	
c) Taxes used by the governments to control quantity of goods exported	
d) A uniform tax applied to all individuals paying taxes	

20. The following information was extracted from the books of Amka Traders for the year 2012. (3 marks)

	Kshs.
• Capital 1 st January, 2012	450,000
Net profit	100,000
Withdrew Cash for personal uses	250,000
Capital 31 st December, 2012	1,000,000

Determine additional investment for the year.

.....

.....

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.....

.....

21. State **four** advantages to a manufacturer of using the channel of distribution shown below. (4 marks)

Manufacturer → **wholesaler** → **retailer** → **consumer**

- (i)
- (ii)
- (iii)
- (iv)

22. The following information relates to Dimples Limited for the year ended 31st July 2010.

Average stock at selling price	144,000
Rate of stock turnover	5 times
Margin	20%
Total expenses	48,000

Calculate:

- a) Average stock at cost (1 mark)
- b) Cost of sales (1 mark)
- c) Turnover (1 mark)
- d) Gross profit (1 mark)

Factor of production	Resource
	Manager
	Vehicle
	Water
	Owner

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23. State **one** negative effect of the following factors on the business environment.

(4 marks)

(a) Economic factors:

.....
.....

(b) Demographic factors:

.....
.....

(c) Social cultural factors:

.....
.....

(d) Political factors:

.....
.....

24. Outline the procedure of obtaining an insurance policy.

(5 marks)

(i)

(ii)

(iii)

(iv)

(v)

(vi)

25. Name the factor that each of the following resources relate to

(4 marks)

	Resource	Factor of production
a)	Manager	
b)	Vehicle	
c)	Water	
d)	Owner	

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