

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

443/2
PAPER 2
AGRICULTURE
JULY/AUGUST 2013
TIME: 2 HOURS

NAKURU DISTRICT SEC. SCHOOLS JOINT MOCK EXAMINATION
2013

AGRICULTURE
PAPER 2
2 HOURS

INSTRUCTIONS TO CANDIDATES

- a) Write your name and Index number in the spaces provided above
- b) This paper consists of three sections A,B, and C.
- c) Answer all questions in section A and B.
- d) Answer any two questions in section C.
- e) Answers should be written in spaces provided.

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE SCORE
A	1-19	30	
B	20-22	20	
C	23-25	40	
TOTAL SCORE		90	

SECTION A: Answer ALL the questions in this section in the spaces provided.

1. Name the tool used for tightening wire during fencing. (½ mark)

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2. Name four tools that are used when laying concrete blocks during construction of a wall (2marks)

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3. State four advantages of using animal power in the farm (2marks)

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4. List the uses of solar energy (2 marks)

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5. State two problems associated with tractor hire services that farmers encounter (1mark)

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6. Name two dual purpose cattle breeds commonly reared in Kenya (1mark)

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7. Differentiate between a gilt and a sow as used in pig production (1mark)

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8. What do you understand by the term selection as used in livestock breeding (½ mark)

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(b) Name any two types of selection practiced by livestock farmers (1mark)

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9. State two disadvantages that may arise from inbreeding in livestock production (1mark)

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10 State two advantages of artificial incubation in comparison to natural incubation as a method of hatching chicks (1mark)

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11. List six routes through which pathogens can enter the body of an animal (3marks)

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12 State four activities that may necessitate handling of animals (2 marks)

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13 State four signs of infestation by external parasites in livestock (2 marks)

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14 State two symptoms that would show that an animal is suffering from rinder pest and not foot and mouth disease. (1mark)

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15 Name TWO Cattle diseases that can be controlled by administering one vaccine (1mark)

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16 State four factors that are considered when formulating a livestock ration (2marks)

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17 Why are the elements calcium and phosphorus important in the diet of young livestock (1mark)

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18 State six management practices in fish rearing (3 marks)

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19 State four qualities of clean milk (2marks)

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SECTION B (20 MARKS)

20.(a) One of the recommended ratios of mixing ingredients for making concrete blocks is 1:3:4.
Name the ingredients represented by the numbers 1,3 and 4 in the mixture. (1 ½ mark)

1. 3.....
4.

(b) If a stronger concrete blocks were to be made, name the ingredient that would be increased. (½ mark)

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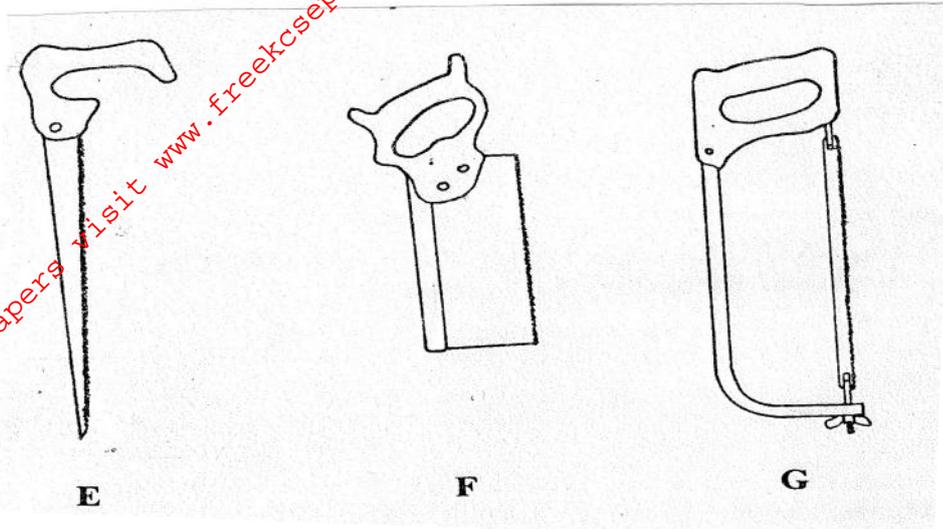
(c) State THREE properties of concrete that make it suitable for constructing farm buildings (1 ½ mark)

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(d) In addition to concrete, name three other materials that would be required to construct the floor of a milking shed. (1 ½ marks)

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21 (a) The diagrams E, F and G below represents different types of saws.



(i) Identify the saws labeled E and F

(1mark)

E.....

F.....

(ii) State one use of each of the two saws

(2marks)

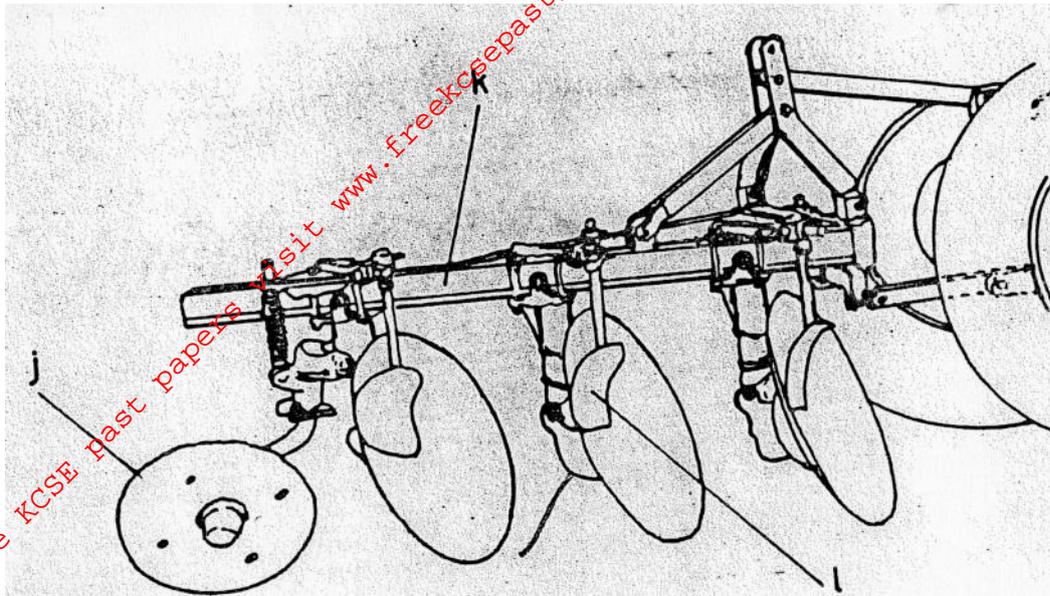
E.....

F.....

(iii) Give TWO maintenance practices which should be carried out on the saw labelled G (2marks)

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(b) Below is a diagram of a disc plough hitched to a tractor labelled H.



(i) Identify the parts of the plough marked **j**, **k** and **l** and state the function of each part (3 marks)

	Name	Function
J		
K		
L		

(ii) State two adjustment that can be carried out to decrease ploughing depth of the plough (2 marks)

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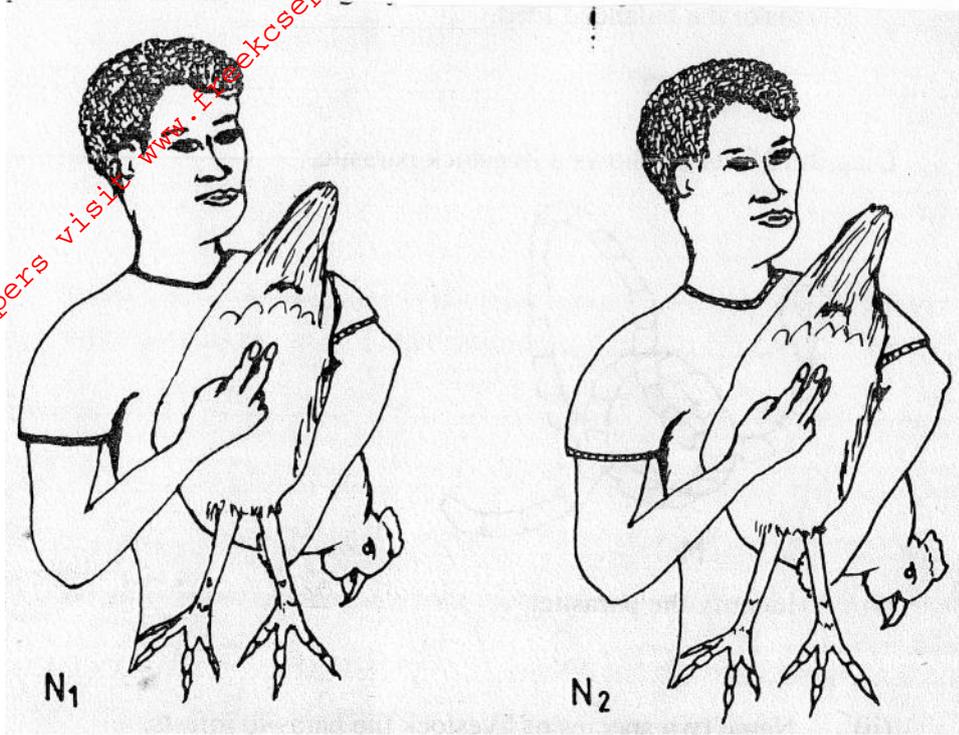
(iii) What would be the effect on furrow slice inversion if the tractor ploughing speed is increased? (1mark)

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22 (a) Diagrams N₁ and N₂ below show the fingers fitted between pelvic bones as a practice used in examining layers during culling.



(a) Which layer should be culled? (1Mark)

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(b) Give two other characteristics that can be examined when culling. (2 marks)

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(c) Other than using the characteristics of a layer, give another method that can be used to cull layers. (1mark)

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