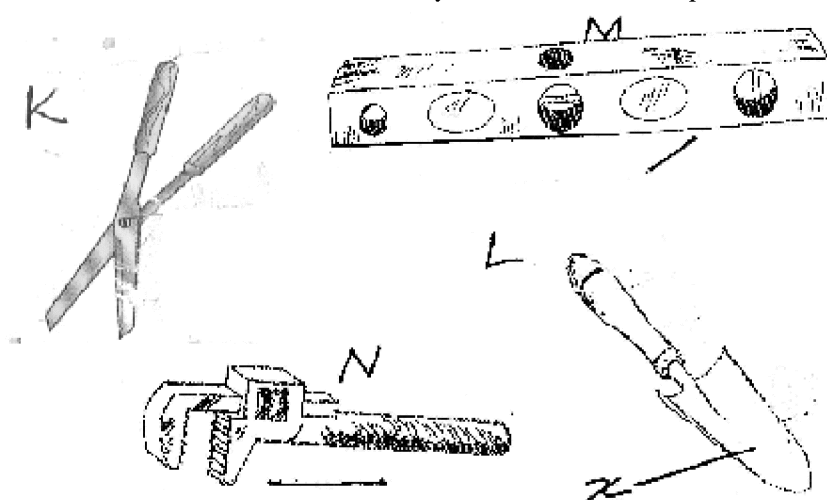


MURANG'A SOUTH SUBCOUNTY MULTILATERAL FORM 4 EXAM - 2016**443/2****AGRICULTURE****PAPER 2**

1. Give **four** reasons why a slasher should be maintained properly (2mks)
2. Name the following
 - (i) An exotic breed of dairy goat reared in Kenya that is brown in colour with two white stripe running from the eye to the nose (1mk)
 - (ii) A rabbit that is white with pink eyes (1mk)
 - (iii) Term given to a young female pig from weaning upto when it gives birth for the first time (1mk)
3. State **three** reasons why jersey breed of cattle is better suited for drier areas of Kenya than Friesian breed (1½mks)
4. Define the following terms as used in livestock health
 - (i) Zoonotic disease (1mk)
 - (ii) Predisposing factors (1mk)
5. Give **four** ways in which livestock diseases are spread amongst animals on a farm (2mks)
6. Name **two** types of roughage fed to livestock (1mk)
7. List **four** differences between ruminant and non-ruminant digestion (2mks)
8. State **four** reasons for livestock breeding (2mks)
9. How long is oestrus in cows? (1mk)
10. State **three** benefits of steaming up in dairy goats (1½mks)
11. Give **two** conditions which would make it necessary to feed bees (2mks)
12. List **two** roles of ventilation in a calf pen (1mk)
13. State **three** disadvantages of thatch as a construction material (1½mks)
14. Give **three** ways by which implements are attached to the tractor (1½mks)
15. State **three** signs to be observed in a carcass of a cow that had died of anthrax. (1½mks)
16. Give **two** common vices that birds reared under deep litter system show (1mk)
17. Name the hormone that stimulates milk-let-down in cows (1mk)
18. What is dry cow therapy? (1mk)
19. List **three** possible effects of overheating of a tractor engine (1½mk)

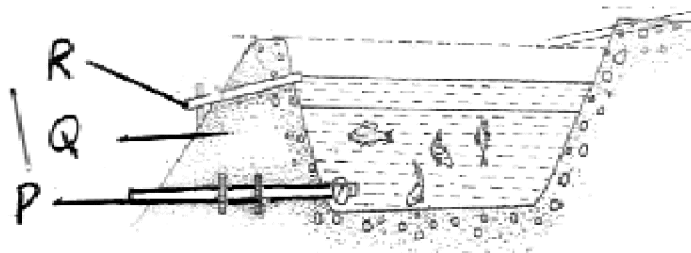
SECTION B (20 MKS)Answer all questions in this section in the spaces provided

20. A farmer wants to prepare 100kg of a livestock feed containing 16% Digestible Crude Protein (D.C.P.) Using the Pearson's square method, calculate the quantity of wheat (10% D.C.P) and sunflower seed cake (34 % D.C.P) the farmer requires to make the feed (4mks)
21. The diagrams below illustrates some farm tools. Study them and answer the questions that follows

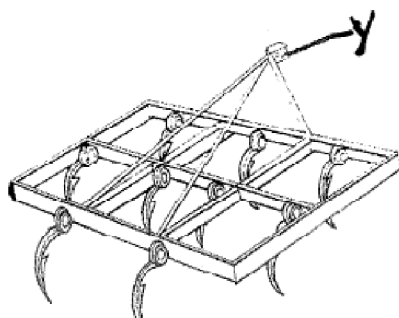


- (a) Identify the tools labeled K and M (2mks)
- (b) State the use of the tools labelled L and N (2mks)
- (c) Explain **one** maintenance practice carried out on the part labelled X in tool L (1mk)

22. The diagram below illustrates a cross-section of a fish pond. Study it and answer the questions that follows:-



- (a) Identify the parts labelled P and Q (2mks)
 - (b). State the role of the part labelled R (1mk)
 - (c) Explain **two** maintenance practices done on the part labelled Q (2mks)
23. Below is a diagram illustrating a farm implement, study it and answer the questions that follow



- (a) Identify the implement. (1mk)
- (b) State:
 - (i) The role of the part of the implement labelled Y. (1mk)
 - (ii) Two uses of the implement on the farm. (2mks)
- (c) List **two** maintenance practices done on the implement. (2mks)

SECTION C (40 MARKS)

Answer any two questions in this section in the spaces provided after question 26

24. (a) Describe **nine** Management practices that a farmer should carry out to improve milk production in a low yielding herd of dairy cattle. (9mks)
- (b) State **five** disadvantages of natural incubation in chicken rearing (5mks)
- (c) Describe **six** control measures for tapeworms (*Taenia* spp) in livestock . (6mks)
25. (a) Describe milk fever disorder in dairy cows under the following subheadings
 - (i) Cause (1mk)
 - (ii) Symptoms (7mks)
 - (iii) Control measures (2mks)
- (b) State and explain **five** factors that a farmer should consider when siting a beehive (10mks)
- 26 (a) Describe the management of a sow ten days before farrowing (8mks)
- (b) State **six** advantages of the battery cage system of rearing layers (6mks)
- (c) Describe **six** limitations of animal - drawn implements compared to tractor-drawn implements (6mks)