

GUCHA SOUTH EVALUATION TEST (GSET)

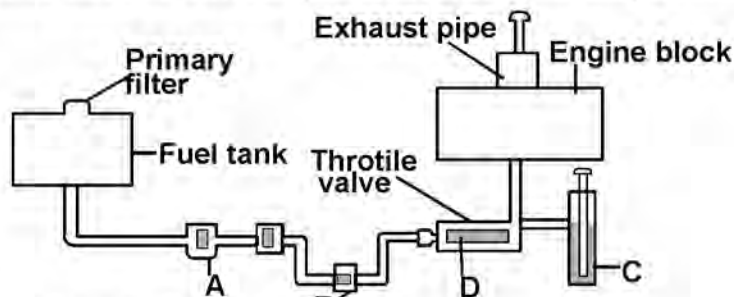
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AGRICULTURE**PAPER 2****SECTION A (30 marks)**Answer ALL questions in this section on the spaces provided.

1. Mention any two example of meat goat kept in Kenya. (1 mark)
2. Give four functions of a worker bee in a colony. (2 marks)
3. State two qualities of colostrum which make it suitable for feeding newly born calf. (1 mark)
4. Give four reasons for castration in goats. (2 marks)
5. Differentiate between outcrossing and crossbreeding. (2 marks)
6. State two factors that could lead to failure to conceive in sows after service. (1 mark)
7. List two abnormalities that can be seen in egg candling. (1 mark)
8. List two factors associated with the animal that determine the amount of feed that an animal consumes. (2 marks)
9. Mention any four structures that are necessary for handling dairy animals. (2 marks)
10. a) Give one functional differences between each of the following pairs of tools and equipment.
 - i) Garden trowel and masonry trowel. (1 mark)
 - ii) Ball pein hammer and claw hammer. (1 mark)
- b) Explain two maintenance practices carried out on a pruning saw. (1 mark)
11. State two methods of treating timber for construction. (1 mark)
12. Give four causes of infertility in cattle. (2 marks)
13. Give four requirement of a good grain store. (2 marks)
14. State four effects of protein deficiency in livestock production. (2 marks)
15. a) Name two hormones responsible for milk let-down (1 mark)
- b) Give four ways of stimulating milk let-down in a dairy cow. (2 marks)
16. Give two methods of harnessing tractor power. (1 mark)
17. a) State two reasons for raddling in sheep management. (1 mark)
- b) Give two causes of soft shell in eggs. (1 mark)

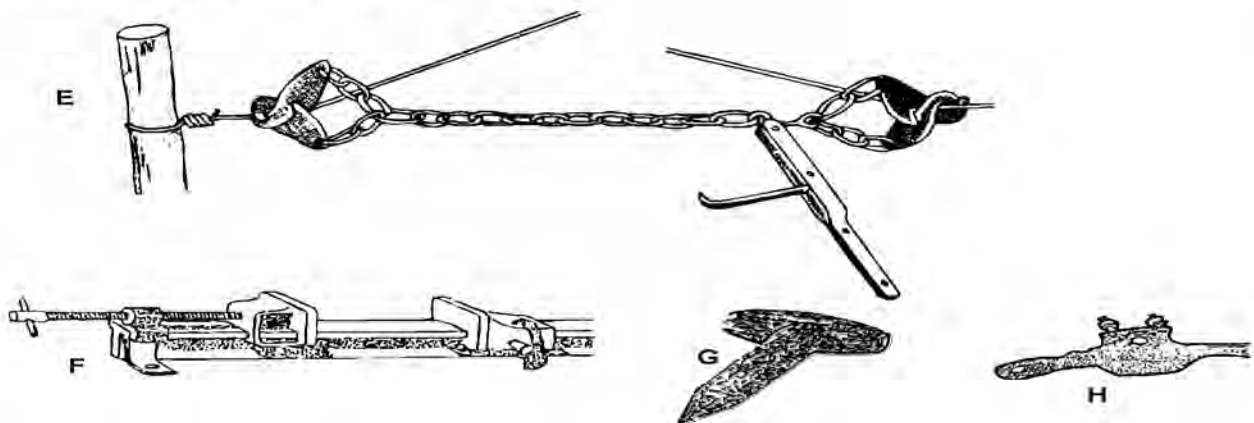
SECTION B (20 marks)Answer ALL questions in this section in the spaces provided.

18. The diagram below shows the petrol fuel system of a tractor engine. Study it carefully and answer the questions that follow



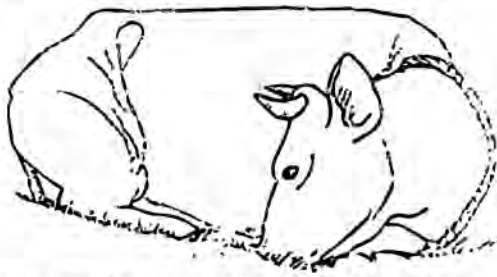
- a) Name the parts labelled A, B, C and D. (2 marks)
- b) State the functions of the parts labelled A, C and D. (3 marks)

19. Below are illustrations of farm tools.

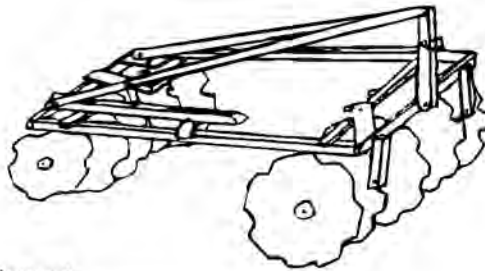


- a) Identify the farm tools labelled E, F, G and H. (2 marks)

- b) State the use of tools labelled E, F and G. (2 marks)
 c) Give one maintenance practice of the tool labelled F. (1 mark)
 20. Below is a diagram of a cow suffering from a deficiency disease. Study it and answer the questions that follow.



- a) Identify the disease the above animal is suffering from. (1 mark)
 b) Give a condition that may make the animal to be prone to such a disease. (1 mark)
 c) List three symptoms of the above disease. (3 marks)
 21. Below is a diagram of farm equipment. Study it and use it to answer the questions that follow.



- a) Identify the equipment. (1 mark)
 b) State one function of the toothed notches. (1 mark)
 c) State two ways in increasing the depth of penetration of the equipment. (2 marks)
 d) State two maintenance practices carried out on the equipment shown above. (1 mark)

SECTION C (40 marks)

Answer any TWO questions in this section in the spaces provided after question 24.

22. a) Describe Anthrax under the following sub-heading. (1 mark)
 i) Causal organism (2 marks)
 ii) Animals affected. (5 marks)
 iii) Symptoms of attack (3 marks)
 iv) Control measures. (9 marks)
 b) Describe the procedure of hand milking in dairy cow. (10 marks)
 23. a) Describe the preparation done before farrowing in pigs. (5 marks)
 b) Explain five functions of water in livestock nutrition. (5 marks)
 c) Outline five advantages of artificial insemination in cattle management. (10 marks)
 24. a) Describe ten components of a plunge dip for cattle management (5 marks)
 b) State five reasons why bees swarm from a bee hive. (5 marks)
 c) Describe the use of various hand tools required for the construction of a wooden fence. (5 marks)