

GIDEONS ELITE BOYS CENTRE OF EXCELLENCE

P.O BOX 583-20300 NYAHURURU

DECEMBER-2024 ASSIGNMENT

THIS ASSIGNMENT WILL COVER 70% OF OPENER EXAM.

ALL QUESTIONS SHOULD BE ANSWERED IN THE EXERSISE BOOK

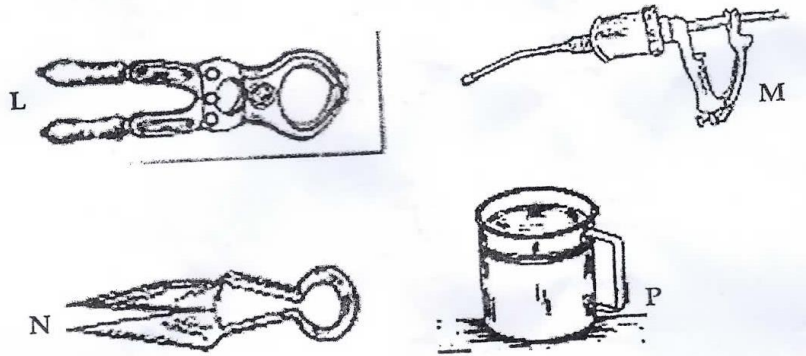
AGRICULTURE FORM 3-2024 Website: www.gideonseliteschools.sc.ke

Email: gideonseliteboys@gmail.com Contact: +254 710 787845 or +254 735 528 013

1. State **four** factors considered before selecting a farm enterprise. (4 mks)
2. Describe the production of tomatoes under the following sub-headings:
3. Ecological requirements of tomato plants (5mks)
 - Land preparations (4mks)
 - Transplanting (7mks)
 - Disease control (4mks)
4. State **five** factors that influence soil productivity. (5mks)
5. State **five** qualities of mother plant used during grafting. (5mks)
6. Give **two** types of mulching materials. (2mks)
7. State **four** agricultural practices which pollute water. (4mks)
8. Describe precautions followed when harvesting coffee. (4mks)
9. State four factors which determines the farming systems adapted by farmers (2mks)
10. Give four reasons for sub in maize field (2mk)
11. Name two types of inventories in the farm (1mk)
12. State four negative of HIV/AIDS to agriculture (2mks)
13. State four effect of soil erosion (2mks)
14. State four deficiency symptoms of nitrogen in plants (2mks)
15. Highlight two effect of land title deed to farm (1mk)
16. State two methods of controlling headsmat in maize (1mk)
17. Give two forms of large scale farming practiced in Kenya (1mk)
18. State two ways in which parent rode influences soil characteristics (1mk)
19. Give four farming practices carried out to achieve minimum tillage (2mks)
20. State two characteristics of plantation farming (1mk)
21. Give three classes of weeds under growth cycle (1 ½ mks)
22. State four post-harvesting practices on crops (2mks)
23. List four advantages of mulching in Agriculture line (2mks)
24. State three benefits of using certified seeds (2mks)
25. State four importance of air in soil (2mks)
26. State four factors used in classification of inorganic fertilizer (2mks)
27. State one cause of hard pan in soil
28. Name two breeds of livestock of each of the following categories. (2mks)
 - Dairy Goats
 - Camels
29. Name two types of concentrate feeds. (1mk)
30. Define the following terms as used in livestock breeding. (2mks)
 - Inbreeding
 - Out crossing
31. Name two nutritional diseases that affect livestock. (1mk)
32. Give four advantages of carrying out raddling in sheep management. (2mks)
33. Name two viral disease that affect each of the following livestock. (2mks)
 - Cattle

Poultry

- 34. Give four reasons for handling livestock. (2mks)
- 35. State four non-chemical methods of controlling ticks in cattle. (2mks)
- 36. Name two types of modern beehives used in keeping bees in Kenya. (1mk)
- 37. At what stage should birds be caponized? (1mk)
- 38. Name four routine management practices used to control parasites in livestock.
- 39. Name four methods of fish preservation.
- 40. State one function of each of the following in a bee colony.
 Queen bee:.....
 Drone.
- 41. List three properties of concrete that make it suitable for constructing farm buildings.
- 42. Give four functions of calcium in dairy cows.
- 43. Give four methods of administering vaccines to livestock.
- 44. State three factors that may lead to dip wash being exhausted or weakened while in the dip tank.
- 45. Highlight four desirable characteristics that should be considered when selecting a heifer for milk production. (2mks)
- 46. Study the diagram of the tools labeled L,M,N and P and answer the following questions.



- 47. Name the tools labeled L,M,N and P(2mks)
- L :.....
- M:.....
- N:.....
- P:.....

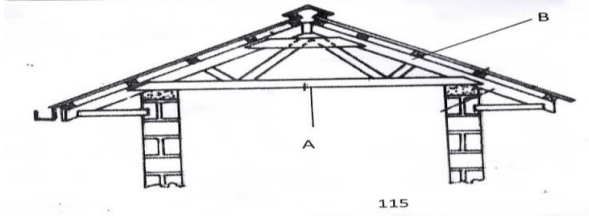
State the uses of tool L, N and P.

- L:.....
- N:
- P:

The diagram below illustrate a livestock parasite.



- 48. Identify the parasite illustrated above.
- 49. State the major harmful effect of the parasite.
- 50. Explain three control measures of the parasite.
- 51. The diagram below represents part of a roof.



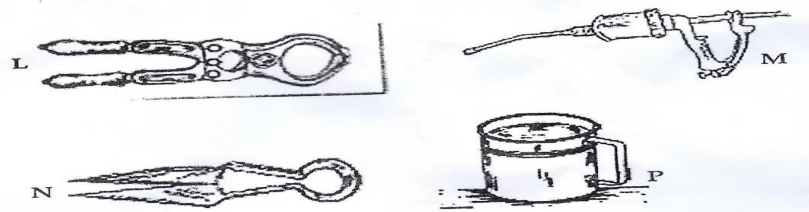
Identify the part labeled B.

52. State two types of materials that may be used for the part labeled A
53. Give two disadvantages of using thatch as a roofing material.
54. The diagram below illustrate a method of identification in livestock production. Study the diagram and answer the questions that follows.
55. Name the type of identification illustrated above.
56. State the name of the tool used to carry out the operation in (i) above.
57. Give the identification number of the animal illustration in the diagram above.
58. Outline seven characteristics of beef cattle breeds.
 - b) Explain the various indicators that can be observed to indicate sickness in an animal. what signs would a cow on heat show.
59. Give five differences between ruminant and non-ruminant animals.
60. Describe Gumboro under the following sub-headings
61. Animals affected
 - ii) Casual organism
 - iii) Symptoms
 - iv) Control measures. (2mks)
62. c) Describe the lifecycle of a three-host tick.
63. 24. a) Outline five structural requirement for a good grain store.
 - b) Explain the various maintenance practices of a chaff cutter.
 - c) Describe four factors considered when selecting construction materials on the farm.
 1. Name two breeds of livestock of each of the following categories.
 - a) Dairy Goats
 - b) Camels
 2. Name two types of concentrate feeds.
 3. Define the following terms as used in livestock breeding.
 - a) Inbreeding
 - b) Out crossing
4. Name two nutritional diseases that affect livestock.
5. Give four advantages of carrying out raddling in sheep management.
6. Name two viral disease that affect each of the following livestock. (2mks)
 - a) Cattle
 - b) Poultry
7. Give four reasons for handling livestock.
8. State four non-chemical methods of controlling ticks in cattle. (2mks)
9. Name two types of modern beehives used in keeping bees in Kenya. (1mk)
10. At what stage should birds be caponized? (1mk)
- b) Name four routine management practices used to control parasites in livestock. (2mks)
11. Name four methods of fish preservation. (2mks)
12. State one function of each of the following in a bee colony. (2mks)

Queen bee:.....

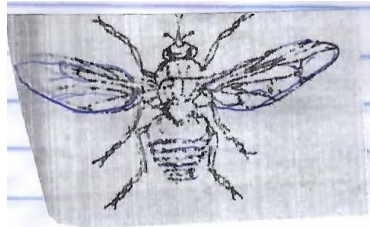
Drone.
13. List three properties of concrete that make it suitable for constructing farm buildings.

14. Give four functions of calcium in dairy cows.
15. Give four methods of administering vaccines to livestock.
16. State three factors that may lead to dip wash being exhausted or weakened while in the dip tank.
17. Highlight four desirable characteristics that should be considered when selecting a heifer for milk production.
18. Study the diagram of the tools labeled L, M, N and P and answer the following questions.



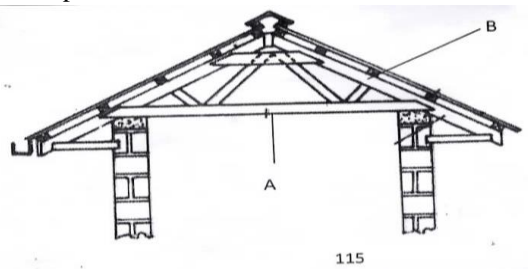
- a) Name the tools labeled L, M, N and P
 L :.....
 M:.....
 N:.....
 P:.....
- b) State the uses of tool L,N and P. (3mks)
 L:.....
 N:
 P:

19. The diagram below illustrate a livestock parasite.



- a) Identify the parasite illustrated above. (1mk)
- b) State the major harmful effect of the parasite. (1mk)
- c) Explain three control measures of the parasite. (3mks)

20. The diagram below represents part of a roof.



- a) Identify the part labeled B. (1mk)
- b) State two types of materials that may be used for the part labeled A (2mks)
- c) Give two disadvantages of using thatch as a roofing material. (2mks)