

# 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 2-2024 Website: [www.gideonseliteschools.sc.ke](http://www.gideonseliteschools.sc.ke)**

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## AGRICULTURE FORM TWO

1. Give **four** activities that may be undertaken in organic farming.
2. State **four** harmful effects of wind on crop production
3. Give the general name of chemicals used to control;  
Weeds  
Leaf rust in coffee
4. State **four** practices that can be used to improve water logged clay soils
5. State **four** factors considered when selecting planting materials
6. Give **two** causes of blossom-end rot in tomatoes
7. Give **four** pieces of information contained in a land title deed.
8. Name **three** macro-nutrient elements whose deficiency symptom is chlorosis
9. State **two** water treatment processes that take place in the coagulation and sedimentation tank.
10. State **four** reasons for pruning fruit crops
11. State **four** disadvantages of intercropping
12. Name **three** practices carried out to improve and maintain permanent pastures
13. State **four** cultural practices of weed control in beans
14. State **four** advantages of timely harvesting of crops
15. List **three** tertiary operations that may be carried out in a seedbed
16. Give **two** reasons for locating a nursery bed at a well sheltered place
17. List **four** disadvantages of using compost manure in crop production
18. Give **three** reasons why timely ploughing of the seedbed is important in crop production.
19. State four ways of controlling tsetse flies.
20. Name four breeds of dairy goats.
21. Give four characteristics of a good vaccine.
22. State four advantages of outbreeding in livestock production.
23. Give four factors that affect the quality of honey.
24. Outline three functions of calcium in the body of a dairy cow.
25. List four cattle diseases caused by virus.
26. State the function of each of the following.  
Plumb bob  
Drenching gun  
Garden trowel  
  
Pipe wrench

Agriculture comes from two Latin words, what do the words mean?

Ager- \_\_\_\_\_

Cultura- \_\_\_\_\_

27. Define Agriculture
28. List four areas that make agriculture to be regarded as an art.
29. State any five careers one can pursue through the study of Agriculture
30. Name four main branches of agriculture.
31. Give the meaning of the following terms as used in agriculture.
  - a) Crop pathology.
  - b) Agricultural entomology.
  - c) Agricultural engineering.

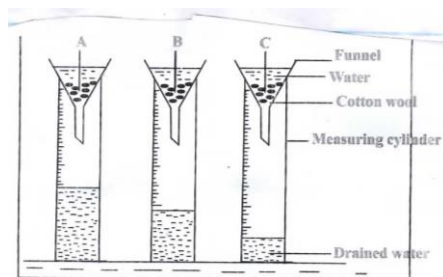
32. Name three forms of horticulture is practiced in Kenya.
33. Name four branches of livestock farming.
34. What is a farming system?
35. Name two main systems of Farming
36. List two characteristics of extensive farming system.
37. Name two forms of large scale farming practiced in Kenya.
38. Name four methods of farming.
39. List three benefits of practicing mixed farming.
40. State three instances where shifting cultivation is applicable.
41. List two benefits of organic farming.
42. Explain four contributions of agriculture to the economy of Kenya.
43. Distinguish between olericulture and pomoculture
44. List three biotic factors that are useful in agricultural production
45. a) State three methods of treating water in the farm
46. List two methods of conveying water in the farm
47. Give four reasons for carrying out land preparation
48. Outline four characteristics of a fertile soil
49. State three reason why burning of bushes as a method of land clearing should be discouraged
50. List two meat breed of sheep.
51. Define the term agricultural economics
52. state three basic concept of economics
53. State two maintenance practices that should be carried out on saws
54. Name a tool that is used alongside the following

Trocar.....

Rubbering .....

Brace .....

55. State four effects of high temperature on crop products
56. Name four factors that determine the system of farming in a given place.
57. Name three products obtained from camel
58. Outline four qualities of a good green manure crop
59. Name four types of soil structure.
60. The diagram below illustrates an experiment on soil. Study it carefully and answer the questions that follow.



a.

State the aim of the experiment

If the volume of water in the measuring cylinders was observed after one hour identify the soil samples A and B

A.....

B.....

c) State two ways in which the soil structure of the soil sample labelled C above can be improved.

(2mks)

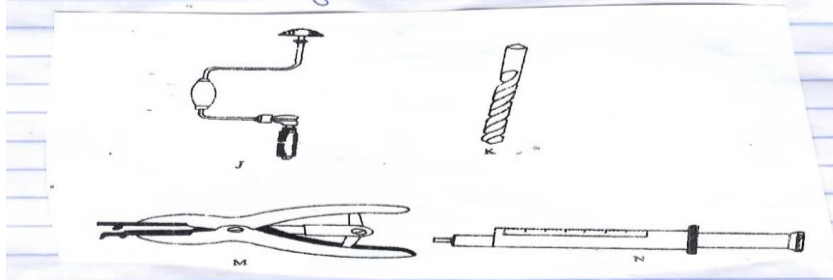
61. 18. The table below shows a format of a record study it and answer the questions that follow.

Date	Disease symptoms	Livestock affected	Drugs used	Cost of treatment	Remarks

Identify the kind of record illustrated above.

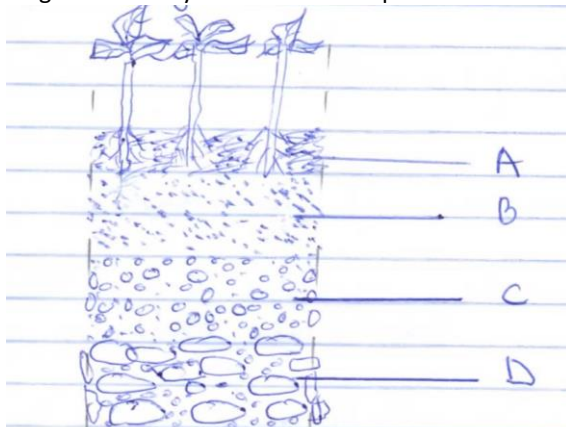
State four importance of Keeping farm records.

62. The diagrams below represent workshops and livestock tools and equipment  
 63. . Study them and answer the questions that follow.



64.  
 65. Identify tools J and K  
 J: .....  
 K .....  
 66. State one use of tool M and N  
 M: .....  
 N; .....

67. Explain one maintenance practice carried on tool J.  
 68. The diagram below illustrates a feature observed after digging the soil several metres deep. Study the diagram carefully and answer the questions that follow.



Identify the feature that the diagram above represents in the study of soil.  
 Name the parts of the diagram labelled A B C and D

69. State two ways in which the knowledge of the above figure would be of benefit to a farmer.  
 70. . Explain 6 ways in which soil fertility is maintained  
 71. Discuss five roles of Agriculture in the economy of Kenya  
 72. Outline the importance of irrigation in farming  
 73. Outline the main benefits of minimum tillage  
 74. outline five physical characteristics of a dairy cow.  
 75. List down four factors of production  
 76. Highlight the main reasons for secondary cultivation.  
 77. Define the following terms (2mks)  
 a) Entomology  
 b) pomology  
 c) Apiculture  
 d) olericulture

78. Outline four aspects of rainfall important in Agriculture (2mks)

79. State the four physical agents of weathering (2mks)
80. Give four effects of biotic factors in the soil (2mks)
81. Distinguish between rip saw and cross-cut saw (1mks)
82. For each of the following tools give two examples (2mks)
  - a) file
  - b) scrappers
  - c) chisels
  - d) gauged marking tools
83. Describe four conditions necessary for land clearing to take place (2mks)
84. State four reasons why burning as a method of land clearing is discouraged. (2mks)
  - a) What is minimum tillage? (1mk)
85. Distinguish between a weir and a dam (1mk)
86. Give two types of each of the following pipes (1mks)
  - Hose pipes
  - b) Metal pipes
87. Identify two dairy goats (1mk)
88. Give four benefits derived from a camel (2mks)
89. Differentiate between macro nutrients and micro-nutrients (1mks)
90. Highlight the functions of phosphorus in plants (2mks )
91. Give four fertilizers that can be used during planting in crops (2mks)
92. List any four methods of harvesting crops (2mks)
93. Highlight any two diseases that attack cabbages (1mk)
94. List any two insect-pests that attack tomatoes (1mk)
95. a)Name and explain the importance of Agriculture in the economy of Kenya (6mks)
96. Give practices carried out in minimum tillage (7mks)
97. Describe the benefits of minimum tillage ( 7mks)
98. a) Highlight the importance of water treatment (4mks)
99. Describe four characteristics of a fertile soil (6mks)
- 100.State any four characteristics of nitrogenous fertilizers (6mks)
- 101.Describe four characteristics of a good storage structure (4mks)