

# UMMUL QURA HIGH SHOOOL

Arowona Bus-Stop Amuloko Akanran Road, Ibadan.

## THIRD-TERM EXAMINATION

**CLASS:** SSS 2

**SUBJECT:** Agric Sc.

**DURATION:** 2 hours.

**Instructions:** Answer *all* questions in Section A and *three* in Section B.

### SECTION A: OBJECTIVES

1. A situation where only specified trees in forest reserve are cut-down is known as --.  
A. afforestation  
B. reforestation  
C. selective exploration  
D. deforestation
2. Which of the following sources of farm power cannot be effectively used for processing agricultural products?  
A. Animal  
B. Electricity  
C. Sun  
D. Machine
3. The best tool a farmer should use to measure out a large farm accurately include the ----.  
A. garden line  
B. garden poles  
C. measuring tape  
D. measuring tape and ranging piles
4. The growing of both forest and agricultural crops on the same piece of land is termed -----.  
A. mixed farming  
B. mixed cropping  
C. forestry  
D. taungya system
5. Soil can be drained by the use of the following *except* ----.  
A. sprinkler  
B. channels  
C. gutters  
D. ditches
6. Which of the following will *not* contribute to soil formation in Nigeria?  
A. Carbonation  
B. Temperature  
C. Oxidation  
D. Glaciation
7. The removal of excess water from the soil surface and the supper sub-soil is -----.  
A. irrigation  
B. evaporation  
C. dehydration  
D. drainage
8. A soil with low pH value can be improved by the addition of ----.  
A. sodium chloride  
B. sodium nitrate  
C. calcium carbonate  
D. ammonium sulphate
9. Which of the following is the sour of energy used by green plants for photosynthesis?  
A. Electricity  
B. Wind  
C. Water  
D. Sun
10. Which of the following farm operations cannot be mechanized?  
A. Weed control  
B. Fertilizer application  
C. Seed germination  
D. Crop processing

11. Sheller's are used to remove ----.
- bracts and grain
  - grains and cobs
  - dirt from grains
  - cobs from stalk
12. Yam sett are usually planted with cut surface ----.
- downward and  $45^{\circ}$  sloping
  - $90^{\circ}$  vertically downward
  - $90^{\circ}$  vertically upward
  - $45^{\circ}$  upward
13. The national tree-planting company in Nigeria is an example of ----.
- regeneration of forest
  - afforestation
  - taungya system
  - degeneration
14. The Nigeria land use act of 1978 puts the right of ownership of land on the ----.
- president of the farmers
  - heads of family unit
  - head of the society
  - governor of the state
15. The process by which a forest is renewed artificially is ----.
- forest regeneration
  - selective exploration
  - deforestation
  - taungya
16. Which of the following is an organic manure?
- Lime
  - Ammonium nitrate
  - Basic slag
  - Compost
17. The act of clearing forests is termed ----.
- regeneration
  - afforestation
  - deforestation
  - silviculture
18. An important farm machine used for coupling many implements is ----.
- Disc harrow
  - Harvester
  - Tractor
  - Plough
19. Which of the following farm practice is not mechanized?
- Planting
  - Fertilizer application
  - Bush cleaning
  - Transplanting
20. The following are necessary operations in maize cultivation *except* ----.
- weeding
  - hunting
  - nursing practice
  - fertilizer application
21. Agricultural uses of land include ----.
- mining
  - housing
  - silviculture
  - transportation
22. Legumes that produce edible seeds are called ----.
- pokies
  - spices
  - grains
  - cereals
23. Which of the following occupations is *not* associated with agriculture? Production of ----.
- honey
  - fertilizer
  - polythene
  - saw mailing
24. Liming is used to correct soil's ----.
- neutrality

- B. acidity  
C. exchange capacity  
D. porosity
25. In the determination of soil texture, a soil sample was found to be smooth and powdery when dry and formed a cast when wet, that soil is -----.
- A. clay  
B. silt  
C. loam  
D. sand
26. Replenishing soil nutrients involves the following *except* -----.
- A. leaching  
B. fallowing  
C. cover cropping  
D. liming
27. Which of the following sources of farm power will assist in the tillage of more land per unit time?
- A. Man  
B. Animal  
C. Wind  
D. Machine
28. Which of the following gives the correct order of usage of tillage implement on Virgin land?
- A. Harrow, ridgers, plough  
B. Ridgers, plough, harrow  
C. Harrow, plough, ridgers  
D. Plough, harrow, ridgers
29. Farm surveying can be defined as the -----.
- A. leveling of land during road construction  
B. sighting of through a theodolite  
C. making measurement on land from which maps are drawn  
D. estimation of the types and properties of the soil on farm
30. Farm survey equipment include the following *except* -----.
- A. cross staff  
B. theodolite  
C. datum  
D. chain
31. Capillary is high in ----.
- A. silt  
B. loam  
C. sand  
D. clay
32. In the process of recycling carbon in nature, carbon dioxide is used by crops during -----.
- A. respiration  
B. decomposition  
C. photosynthesis  
D. transpiration
33. Which of the following sources of water is least useful for irrigation purpose?
- A. Sea  
B. River  
C. Lake  
D. Bore hole
34. Which of the following sources of farm power is most flexible and adaptable to farm operations? ----- power.
- A. Animal  
B. Wind  
C. Human  
D. Solar
35. Which of the following sources of power supply to the farm is not unreliable?
- A. Electricity  
B. Wind  
C. Animal  
D. Machine
36. Animal power is usually used on the farm for -----.

- A. harvesting
  - B. spraying
  - C. ploughing
  - D. planting
37. The growing if both forest trees and arable crops simultaneously on the same piece of land is ----.
- A. mixed cropping
  - B. mixed farming
  - C. pastoral farming
  - D. taungya
38. Agriculture helps to solve all the following problems *except* ----.
- A. malnutrition
  - B. unemployment
  - C. high plantation growth rate
  - D. inadequate materials
39. Which of the following is *not* a function of forestry?
- A. Provision of timber for building
  - B. Establishment of pasture
  - C. Provision of shelter for wildlife
  - D. Provision of medicinal and economic trees
40. Which of the following is not a factor soil formation?
- A. Topography
  - B. Land climate
  - C. Parent material
  - D. Climate
41. What is the percentage of water content of soil sample which weighed 280g when fresh and 120g when over dried?
- A. 66.7%
  - B. 60.0%
  - C. 15.0%
  - D. 33.33%
42. Nitrogen deficiency in plants can lead to the following except -----.
- A. stunted growth
  - B. excessive growth
  - C. lower portion content of crop products
  - D. general yellowing of leave
43. Nitrogen may be lost from the soil through the following process *except* -----.
- A. crop removal
  - B. soil erosion
  - C. leaching
  - D. irrigation
44. What is the main use of a gunter's chain?
- A. Taking measurement of distance
  - B. Determining the depth of soil moisture
  - C. Calculating the slop of the land
  - D. Restraining pull
45. Which of the following part is common to both the disc and moldboard plough----?
- A. plough shade
  - B. land slide
  - C. coulter
  - D. beam
46. Which of the following implements is not hand operated?
- A. Garden shears
  - B. Ridgers
  - C. Cutlasses
  - D. Secateurs
47. Which of the following activities does not clearly described the art of mechanization?
- A. Using milking machine on dairy animal
  - B. Cleaning land with a cutlass
  - C. Harvesting maize with a harvester
  - D. Using tractor to apply herbicide
48. Calculate the area of a rectangular vegetable garden measuring 100 m by 26 m in hectares.

- A. 0.26
- B. 0.20
- C. 0.125
- D. 0.004

49. A Crop which is usually propagated sexually is --  
--.

- A. banana
- B. pineapple
- C. cowpea

- D. ginger

50. A spade is mainly used for ----.

- A. weeding
- B. pruning
- C. planting
- D. digging

## **SECTION B: THEORY**

**Instructions:** Answer any **three** questions from all

1. a. Define the term Taungya system.  
b. State **five** condition that favour the practice of Taungya system in Nigeria.  
c. State **two** advantages of Taungya system to each of the following;
  - i. farmer
  - ii. foresters
2. a. What farm surveying?  
b. List **six** surveying instruments and explain any **two**.  
c. List **four** sources of water for irrigation.
3. a. Define the term farmstead.  
b. List **four** factors to be considered in planning a farmstead.  
c. Give **three** reasons for planning a farmstead.  
d. State **two** importance of farm planning.
4. a. Assuming the spacing if a vegetable crop per stand is 30 cm x 30 cm, calculate the plant population expected in a portion of land measuring 60 m x 30 m.  
b. List **five** ways by which nitrogen is lost from the soil.  
c. State **two** importance of Nitrogen cycle.

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Arowona Bus-Stop Amuloko Akanran Road, Ibadan.

Third-Term Examination

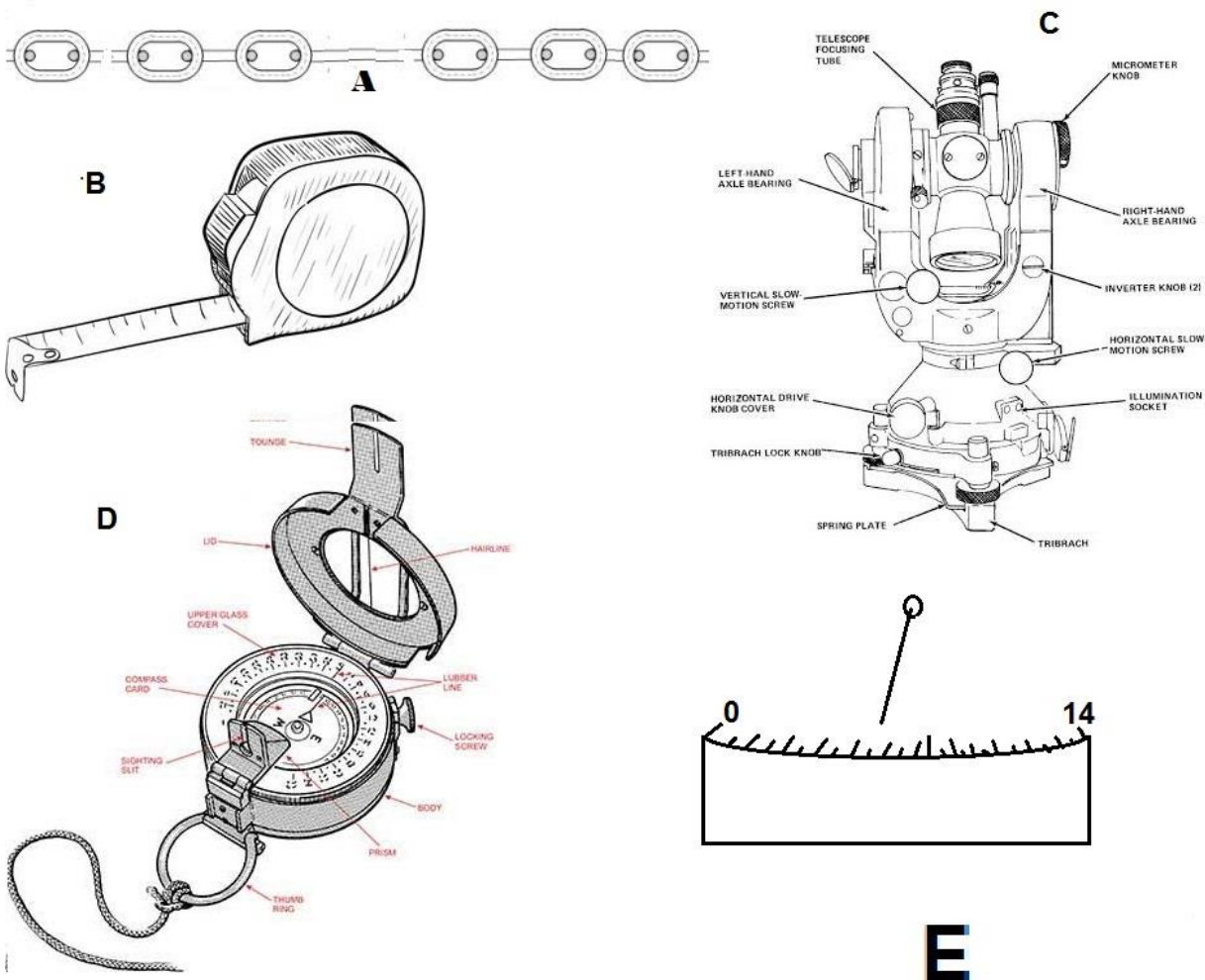
**CLASS:** SSS 2

**SUBJECT:** Agric. Sc.

**DURATION:** 2 hours.

**Instructions:** Answer *all* questions in **Section**.

## SECTION C: PRACTICAL



1. a. Identify the equipment illustrated in the diagrams A, B, C and D.

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b. State the farm operations for which the equipment illustrated by diagrams A, B, C and D..

c. Enumerate **two** specific uses of each of the equipment illustrated by diagrams C and D.

d. State **six** general maintenance of the diagrams A, B, C and D

2. a. Comment on the pH status of a sample of soil as indicated by the reading of the pointer..

ii. \_\_\_\_\_

iii. \_\_\_\_\_

b. State **three** causes of soil acidity.

i. \_\_\_\_\_

iii. \_\_\_\_\_

ii. \_\_\_\_\_

3. a. State **two** corrective measure of removing soil alkalinity.

b. State **three** corrective measure of removing soil acidity.

i. \_\_\_\_\_

iii. \_\_\_\_\_

ii. \_\_\_\_\_

c. List **five** liming materials.



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