

KITH AND KIN INTERNATIONAL COLLEGE

7/11 Kaoli Olusanya Street, Owode Ibeshe, Ikorodu, Lagos State.

FIRST TERM EXAMINATION 2025/2026 ACADEMIC SESSION

NAME					
SUBJECT	AGRICULTURAL SCIENCE	CLASS	SS2	DURATION	2 HRS

Part A: Multiple choice questions

Answer all questions: Each question is followed by four options lettered A to D. Find out the correct option for each question and shade in pencil on your answer sheet, the answer which bears the same letter as the option you have chosen. Give only one answer to each question. (50marks)

1. Which of the following is not a principle of crop rotation?

- A. Disease control
- B. Soil conservation
- C. Soil erosion
- D. Weed control

2. The signs observed below include the following except _____.



- A. Preparation of nest by the dam
- B. Mounting of other animals
- C. Loss of appetite
- D. Swelling of the udders

3. The practice by which the farmer keeps only grazing livestock is known as _____.

- A. mixed farming
- B. pastoral farming
- C. livestock farming
- D. Crop rotation

4. Lactation is the process of _____

- A. production and secretion of milk by the mammary gland
- B. formation of blood in the developing foetus
- C. formation of amniotic around the developing of nests by the dam
- D. formation of sperms and ova in the reproductive system

5. Control of weeds can be carried out by the following methods except _____

- A. cutting
- B. burning
- C. grazing
- D. use of herbicide

6. The characteristics of range land include the following except _____

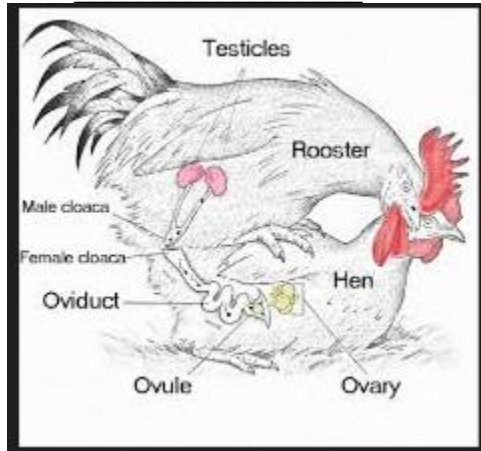
- A. large land area
- B. low rain fall
- C. mixture of grasses and shrubs
- D. predominant ever tress

7. Which of the following is not a part of the digestive system of ruminants?

- A. Duodenum
- B. Proventriculus

- C. Omasun
- D. Reticulum

8. This act observed in poultry is referred to as _____



- A. treading
- B. laying
- C. topping
- D. servicing

9. Which of the following is not a type of irrigation system?

- A. Surface irrigation
- B. Sub-surface irrigation
- C. Overhead irrigation
- D. Under head irrigation

10. The surveying equipment used for taking bearings and angular distances is _____

- A. tape
- B. ranging pole
- C. offset staff
- D. prismatic compass

11. The instrument used for measuring horizontal and vertical angles for planes is _____

- A. theodolite
- B. pins
- C. beacon
- D. tape

12. Which of these is not a factor influencing the siting of farmstead

- A. topography
- B. soil type
- C. accessibility
- D. weather

13. One hectare is _____ square meters

- A. 1000
- B. 10,000
- C. 100,000
- D. 1 million

14. $\frac{1}{2} (A+B)H$ is the area of _____

- A. triangle
- B. square
- C. trapezium
- D. rhombus

15. Which of the following is the sources used by green plants for photosynthesis

- A. Electricity
- B. win
- C. Sun
- D. Water

16. The following conditions will favours Taungya farming except _____

- A. intensive establishment of industries
- B. a situation of land scarcity
- C. availability of large area of cultivated land
- D. overpopulation on the available land

17. Selective exploitation means _____

- A. random felling of trees
- B. feeling of trees which meet desired specification
- C. gradual removal of forest trees
- D. felling of forest trees on selective days

18. The side of effect of the various preventive and control measures of pest and disease of crop include the following except

- A. Environment pollution
- B. Poisoning of wild life
- C. Improvement in the quality of farm produce
- D. exposure of the farmer to health hazards

19. The damage caused by pests on crop result in the following except _____

- A. defoliation of crops
- B. transmission of diseases
- C. destruction of leaves
- D. increase in photosynthesis rate

20. The main side effect of the biological method of controlling pests is _____

- A. rotting of roots
- B. scorching of leaves
- C. imbalance in ecosystem
- D. yielding of crop

21. Which of the following crop is tolerant to both poor rich friable soils?

- A. Onion
- B. Cassava
- C. Cocoa
- D. Rice

22. Parboiling is carried out in the processing of rice in order to _____

- A. decrease the amount of waste products
- B. improve the taste of rice
- C. facilitating the polishing of rice
- D. reduce percentage of breakage

23. The following crops belong to the group called spices except _____

- A. hot pepper
- B. onion
- C. carrot
- D. ginger

24. Which of the following groups has a germination period of about 100 days?

- A. Coffee
- B. oil palm
- C. rubber
- D. coconut

25. Which of the following problems will not be considered before installing irrigation equipment in a farm?

- A. High cost of equipment and maintenance
- B. source of power
- C. Availability of water
- D. concentration of salt

26. The below operation is known as



- A. irrigation
- B. drainage
- C. surface run-off
- D. Evaporation

27. The below operation is known as _____



- A. irrigation
- B. drainage
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- D. Evaporation

28. A fertilizer that contains more than one of the primary elements like nitrogen, phosphorus and potassium is known as _____

- A. straight fertilizer
- B. simple fertilizer
- C. compound fertilizer
- D. acidic fertilizer

29. Which of the following processes will not lead to the loss of nutrients from the soil?

- A. Mulching
- B. burning
- C. erosion
- D. harvesting

30. In the process of recycling carbon in nature, carbon dioxide is used by crops during _____

- A. respiration
- B. photosynthesis
- C. fruiting
- D. burning

31. Which of the following statement is not correct about Micro— Nutrients? They _____

- A. are required in small quantities by plants
- B. are harmful when present in large quantities in a soil
- C. are derived from the parent focus
- D. are the most abundant element in plant leaves

32. When a crop is planted in-situ, it means that the _____

- A. crop is planted in a place away from the house
- B. crop is planted in a place situated near the house
- C. seed is not raised in the nursery but planted direct into field
- D. seed is raised in pre-nursery and later transplanted to the field

33. A horticulturist who wishes to shade his ear lawn with an ornamental tree will choose a/an _____

- A. acalypha
- B. ashoka
- C. almond tree
- D. neem

34. A florist who intends to grow marigold on commercial purpose should plant its _____

- A. Leaves directly in the field
- B. Stem in polythene bags

- C. Rhizome in horticultural plots
- D. Seeds in horticultural plots

35. Which of these is not a reason for producing ornamental plant in Nigeria _____

- A. Control of desertification
- B. Provision of employment
- C. Control of erosion
- D. Landscaping of employment

36. The following are pest of cocoa except _____

- A. Aphids
- B. Capsids
- C. Leaf worms
- D. Spider mites

37. Excess water is conducted away from the soil through _____

- A. irrigation
- B. wetting
- C. drainage
- D. Planting

38. Artificial application of water to the farmland is _____

- A. irrigation
- B. wetting
- C. drainage
- D. harvesting

39. Excess water is conducted away from the soil through _____

- A. irrigation
- B. wetting
- C. drainage
- D. Planting

40. The type of irrigation which can be done on a gentle slope is _____

- A. surface irrigation
- B. subsurface irrigation
- C. overhead irrigation
- D. Sprinkler

41. The machine which is used to hatch eggs is ____
 A. tractor
 B. incubator
 C. milking machine
 D. plough
42. The tool used in transplanting is ____
 A. cutlass
 B. hoe
 C. hand trowel
 D. tractor
43. The conversion of nitrates to nitrogen gas by certain bacteria is ____
 A. oxidation
 B. reduction
 C. nitrification
 D. de-nitrification
44. Microbial decay of plant and animal remains into simpler nitrogenous compound is ____
 A. nitrification
 B. putrefaction
 C. leaching
 D. burning
45. The washing away of soil nutrient down beyond the reach of the root is called ____
 A. erosion
 B. mulching
 C. leaching
 D. fertilization
46. The following are macro nutrients expect
 A. boron
 B. nitrogen
 C. magnesium
 D. calcium
47. Which of these is not a micro-element?
 A. copper
 B. zinc
 C. boron
 D. potassium
48. Pastures could be improved through
 A. Fertilizer application and irrigation
 B. Rational grazing and uncontrolled burning
 C. burning and overgrazing
 D. Pad docking and overgrazing
49. Which of the following plants is a pasture legume
 A. *Panicum maximum*
 B. *Andropogon gayanus*
 C. *Pueraria phaseoloides*
 D. *Axonopus Compressus*
50. In animal production, disease causing organisms are generally called
 A. Parasites
 B. Pathogens
 C. Pests
 D. Vectors

SECTION B: THEORY

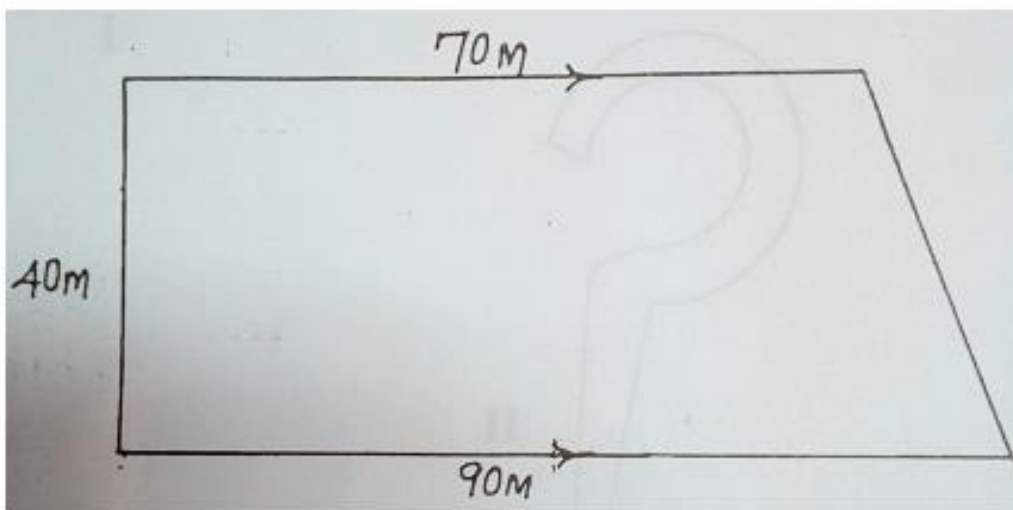
INSTRUCTION: Answer any four questions

1a. What is environmental physiology? 2 marks

b. Highlight four effects of changes in rainfall and wind of the growth performance of farm animals each.

8 Marks

2. The plan below represents the survey of a farm. Use it to answer questions A. and B..



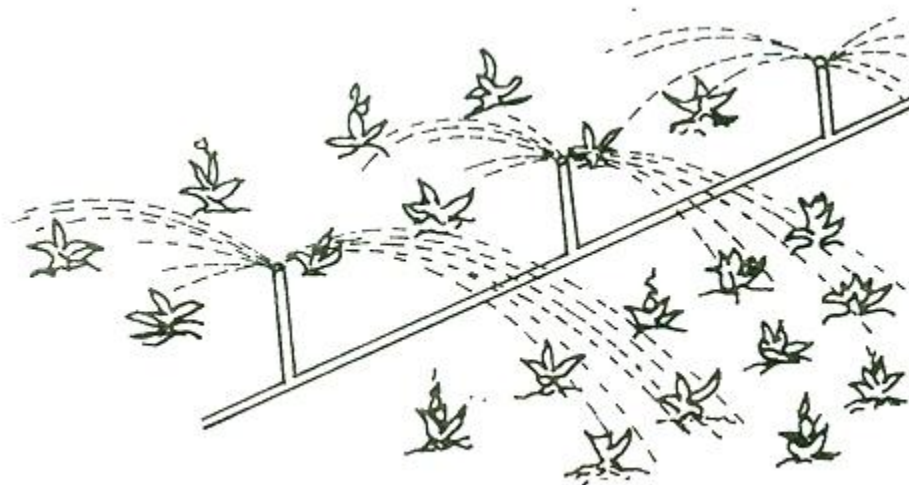
A. Calculate the area of the farmland.

5 marks

B. If the farmland is planted with banana at a spacing of 4 m x 4 m, what will be the population of banana plants on the farm? (WAEC 2018).

5 marks

3. The diagram below illustrates an irrigation system. Study it carefully and answer the questions that follow.



- a. Identify the irrigation system illustrated by the diagram. 1 mark
- d. List 2 important components of the Illustrated irrigation system . 2 marks
- c. Which of the component listed in 1b directs water into the air? 4 marks
- d. State 1 disadvantages and advantages of using the Illustrated system each. 2 marks
- e. Mention one effects of the Illustrated system on the environment where it is being practiced. 1 mark
- WASSCE 2019

4a. State two functions of each of the following macro-nutrients in plant nutrition: (i) nitrogen; (ii) phosphorus; (iii) potassium. 6marks

- b. List four factors that affect the availability of nutrients to crops. WAEC 2003 4 marks

5a. State two each of (i) climatic, (ii) biotic and (iii) edaphic factors affecting distribution and production of crops and animals in your country. 6 marks

B. State two climatic and two soil requirements for optimum production of each of yam and tomatoes. 4 marks