

Section A (40 marks)

AGRICULTURE

1. To which of the following sub-branches of animal husbandry do bees belong?
 - A. Pomology
 - B. Poultry
 - C. Apiculture
 - D. Rabbitry
2. How does deforestation affect fish farming?
 - A. Fish lack protection against strong winds
 - B. Food for fish is scarce
 - C. Rivers dry up
 - D. There is no shade for fish during the day
3. Which of the following vegetables is a tuber?
 - A. Beef roots
 - B. Cucumber
 - C. Cow peas
 - D. Cauliflowers

Figure 1 is a diagram showing learners managing a woodlot. Use it to answer questions 4 and 5



4. Which of the following management activities is being done by the learners?
 - A. Clearing the land
 - B. Planting trees
 - C. Weeding a woodlot
 - D. Making a fire break
5. What is the importance of management activity shown in the diagram?
 - A. Protect trees from fire
 - B. Control soil erosion

- C. Protect trees from pests
 - D. Increase number of trees
6. How can a farmer control dumping off in a vegetable nursery?
 - A. Correct spacing
 - B. Uprooting diseased plant
 - C. Regular weeding
 - D. Light hoeing
7. Which of the following is a breed of rabbits?
 - A. Africander
 - B. California
 - C. Angola
 - D. Jersey

Figure 2 is a diagram showing indigenous farm machinery. Use it to answer questions 8 and 9



8. What is the name of the farm machinery?
 - A. Leaf bag
 - B. Flour sieve
 - C. Winnower
 - D. Guord
9. The farm machinery is used for
 - A. Preserving seeds
 - B. Grinding millet
 - C. Storing relish
 - D. Separating seeds
10. Which of the following is a way of improving breeds of cattle?
 - A. Overgrazing
 - B. Proper housing
 - C. Cross breeding
 - D. Proper feeding
11. Tawina cooperative society charged 70% interest on loan. How much does a farmer

pay back to the cooperative society, if the amount borrowed is K10, 000

- A. K170
- B. K1, 700
- C. K7, 000
- D. K17, 000

12. Which of the following statements explains better the meaning of quarantine?

- A. Restricting movement off sick animals
- B. Killing disease causing organising
- C. Feeding animals in the house
- D. Keeping animals which are resistant to disease

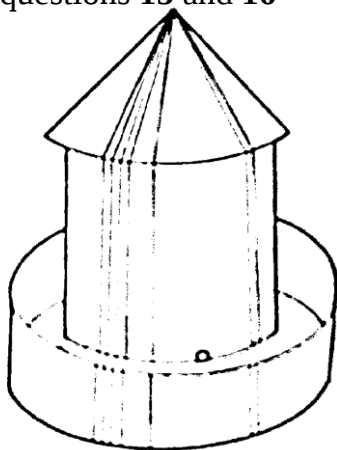
13. Why do farmers prune fruits trees

- A. To restrict growth
- B. To improve the shape of the trees
- C. To reduce competition for nutrients
- D. To allow water to sink easily

14. Cassava cutting are planted at an angle in order to prevent

- A. Exposure to direct sunlight
- B. Protect them from being brown off by wind
- C. Prevent termites from attacking the cuttings
- D. Them from rotting

Figure 3 is a diagram of a farm tool. Use it to answer questions 15 and 16



15. The name of a farm tool is

- A. A watering can
- B. A feeding trough
- C. A water trough
- D. An incubator

16. For which farm enterprise is the farm tool used?

- A. Goat enterprise
- B. Pig enterprise
- C. Sheep enterprise
- D. Poultry enterprise

17. Which layer of soil profile is suitable for crop production?

- A. Sub soil
- B. Parent rock
- C. Weathered rock
- D. Top soil

18. What is the recommended method of applying fertilizer in an Orchard?

- A. Dollop
- B. Foliar
- C. Broadcasting
- D. Banding

19. Which of the following is not an aim of agriculture as a business?

- A. Maximum profits
- B. Reducing cost per unit area
- C. Increasing yield per unit area
- D. Growing crops mainly for sale

20. Which of the following is a way of solving the problem of perishability of farm produce?

- A. Packaging of produce in suitable containers
- B. Using special transport
- C. Storing the produce in times of plenty
- D. Processing

SCIENCE AND TECHNOLOGY

21. Which of the following methods of cooking reduces loss of food nutrients?

- A. Baking
- B. Steaming
- C. Frying
- D. Boiling

22. Immunisation helps the body to

- A. Transport antibodies
- B. Manufacture blood
- C. Kill germs
- D. Resists diseases

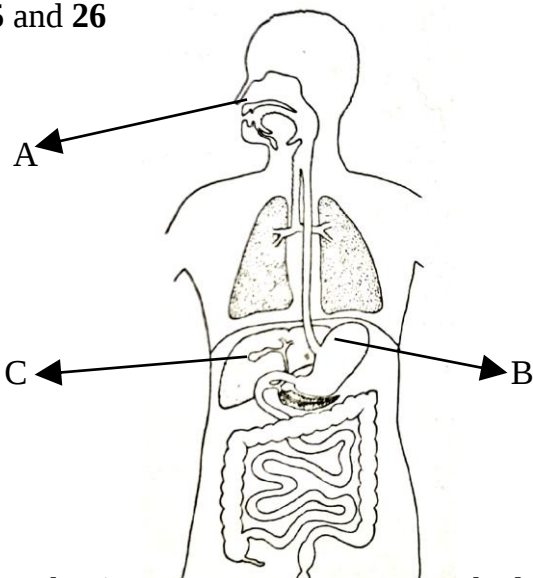
23. What name is given to the second stage of a housefly life cycle?

- A. Eggs
- B. Pupa
- C. Larva
- D. Adult

24. What is the other name of a segmented worm?

- A. Arthropods
- B. Annelida
- C. Moluse
- D. Nematodes

Figure 4 is a diagram showing the human digestive system. Use it to answer questions 25 and 26



25. What is the name of the part marked B

- A. Rectum
- B. Small intestines
- C. Stomach
- D. Mouth

26. What is the function of the part marked C?

- A. Controls the passage of food
- B. Secretes pancreatic juice
- C. Absorbs digested food
- D. Stores bile

27. Including carrots in the diet helps in

- A. Building resistance against rickets
- B. Improving the eye sight
- C. Preventing the bleeding of gums
- D. The development of strong teeth

28. Which of the following uses a property of light?

- A. Thermometer
- B. Vacuum flask
- C. Ammeter
- D. Periscope

Figure 5 is a diagram of a person with a deficiency disease. Use it to answer questions 29 and 30



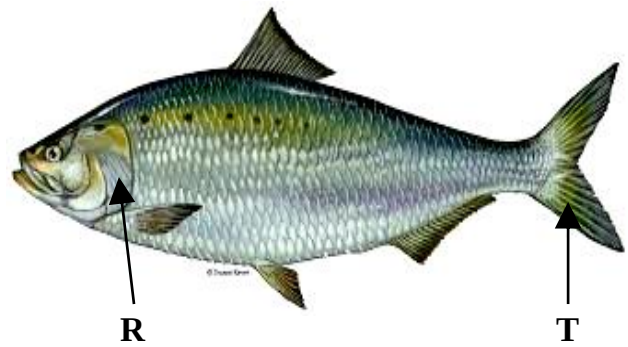
29. Name the disease the person is suffering from

- A. Scurvy
- B. Goitre
- C. Anaemia
- D. Bilharziah

30. Which of the following food nutrients help to prevent the disease?

- A. Iodine
- B. Carbohydrates
- C. Fats and oils
- D. Proteins

31. Which of the following musical instruments produce sound by blowing?
- A. Drums and bells
 - B. Piano and drums
 - C. Guitar and sirens
 - D. Flute and whistle
32. Which one of the following is a example of mineral stain?
- A. Tea
 - B. Egg
 - C. Rust
 - D. Milk
33. Which of the following parts of human brain is responsible for controlling sense organs?
- A. Cerebrum
 - B. Cerebellum
 - C. Spinal cord
 - D. Medulla oblongata
34. What name is given to people who do not eat meat and animal products?
- A. Convalescents
 - B. Vegetarians
 - C. Invalids
 - D. The elderly
35. Which of the following is one way of improving a traditional kitchen?
- A. Having electricity
 - B. Constructing a fence
 - C. Fixing taps
 - D. Making windows and chimney
36. Which of the following blood vessels carry blood from the body to the heart?
- A. Veins
 - B. Capillaries
 - C. Ducks
 - D. Arteries



37. What is the name of the part marked T?
- A. Anal fin
 - B. Tail fin
 - C. Pelvic fin
 - D. Dorsal fin
38. What is the function of the part marked R?
- A. For fish to propel in water
 - B. For a fish detect sound
 - C. Covering the gills
 - D. Breathing system of fish
39. Which group of stems do Irish potato belongs?
- A. Climbing
 - B. Creeping
 - C. Erect
 - D. Underground
40. Which of the following substances would dissolve in paraffin?
- A. Paint
 - B. Salt
 - C. Fertilizer
 - D. Chalk dust

Figure 6 is a diagram of a fish. Use it to answer questions 37 and 38

Section B (60 marks)

AGRICULTURE

41.

a) Name any **one** activity involved in the following marketing functions:

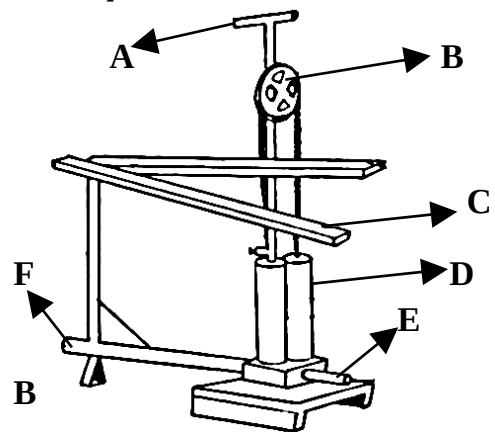
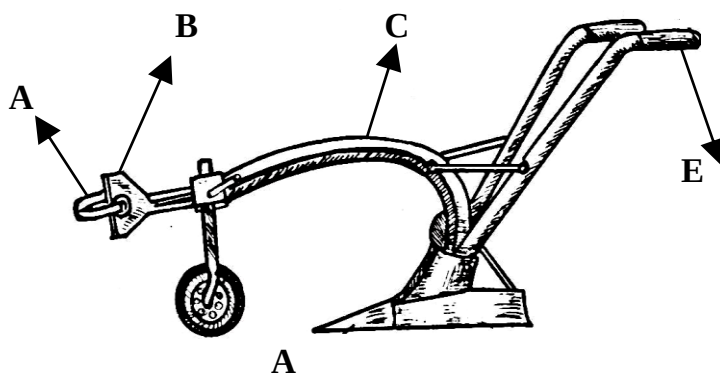
i. Packaging _____ (1 mark)

ii. Storing _____ (1 mark)

b) Give any one importance of grading farm produce _____ (1 mark)

c) State any two ways of advertising farm produce _____ (2 marks)

42. Figure 7 is a diagram showing farm machinery. Use it to answer questions that

a) Identify the farm machinery **A** and **B**

i. A _____ (1 mark)

ii. B _____ (1 mark)

b) Name the parts labelled **A** and **C** of farm machinery **B**

i. A _____ (1 mark)

ii. C _____ (1 mark)

c) Mention any two ways of maintaining both farm machinery? _____ (2 marks)

43.

a) Classify the following soil nutrients into major and minor nutrients: Nitrogen, Boron, Phosphorus, Zinc and Potassium.

Major Nutrients_____

_____**Minor Nutrients**_____

b) State any two ways of improving soil structure _____

c) Mention three main types of Agro-forestry _____

_____ (3 marks)

44. Figure 8 is a diagram of a method of irrigation. Use it to answer questions that follow



a) Identify a method of irrigation _____

_____ (1 mark)

b) Name any one crop which is recommended for the method of irrigation shown in the diagram _____

_____ (1 mark)

c) Why is irrigation important? Give any two reasons _____

_____ (2 marks)

45.

a) List any two processes of water cycle? _____

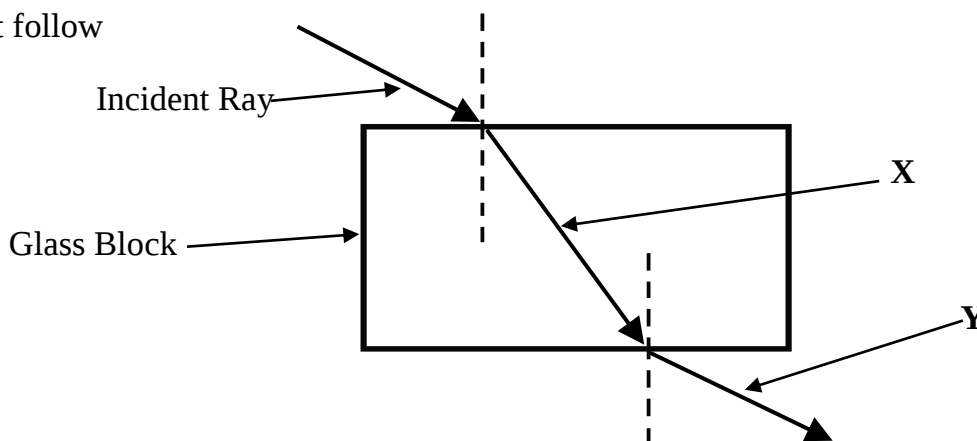
_____ (2 marks)

b) Mention any two types of manure applied to flowers _____

_____ (2 marks)

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46. Figure 9 is a diagram of a ray of light passing through a glass block. Use it to answer questions that follow



a) Name the property of light shown above _____

_____ (1 mark)

b) What are the names of light rays marked X and Y _____

X _____ (1 mark)

Y _____ (1 mark)

- c) Mention any two technologies that use the property of light in the diagram. _____

_____ (2 marks)

47.

- a) Give any two examples of the following classes of levers as machines
- i. First Class Levers _____
_____ (2 marks)
 - ii. Third Class levers _____
_____ (2 marks)
- b) State any two advantages of using combined pulley? _____
_____ (2 marks)
- c) State any two functions of the human skeleton _____
_____ (2 marks)
- d) Give any two classroom technologies that can be improvised _____
_____ (2 marks)

48.

- a) Explain the meanings of the following terms:
- i. Invalids _____ (1 mark)
 - ii. The elderly _____ (1 mark)
- b) Plan a meal that a manual worker could take as a launch. _____

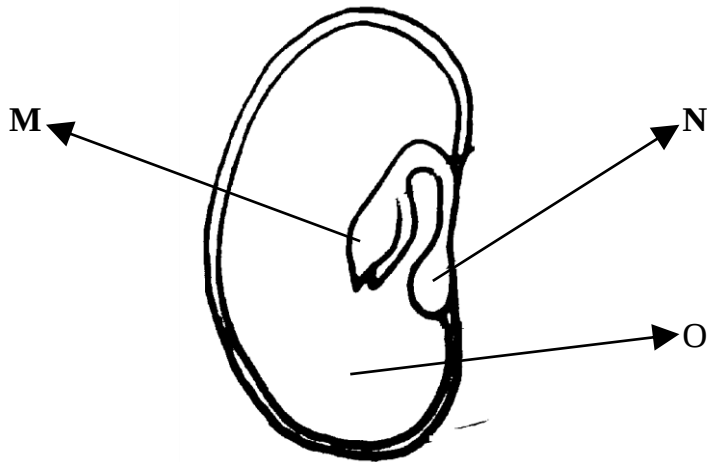
_____ (4 marks)

49.

- a) Draw a parallel circuit using electrical symbols composed of : **Two bulbs, a Cell and a Switch**



50. Figure 10 is a diagram of internal parts of a bean seed. Use it to answer questions that follow



a) Name the parts marked **M** and **N**

M _____ (1 mark)

N _____ (1 mark)

b) What is the function of the part marked **O** to the seed? _____

_____ (1 mark)

51. State any one main sign of pregnancy _____

_____ (1 mark)

END OF QUESTION PAPER

NB: This paper contains 9 printed pages