



Tekart Learning

END OF TERM III EXAMINATIONS 2023

PRIMARY FIVE

INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

Name _____ Stream _____

School _____

District _____

Read the following instructions carefully.

1. This paper is made up of two Sections: A and B. Section A has 40 questions (40 mark and Section B has 15 questions (60 marks).
2. Attempt all questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will NOT be marked.
4. Crossing out of answers will lead to loss of marks.
5. Any handwriting that cannot be easily read may lead to loss of marks.

FOR EXAMINERS USE ONLY

QN. NO.	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

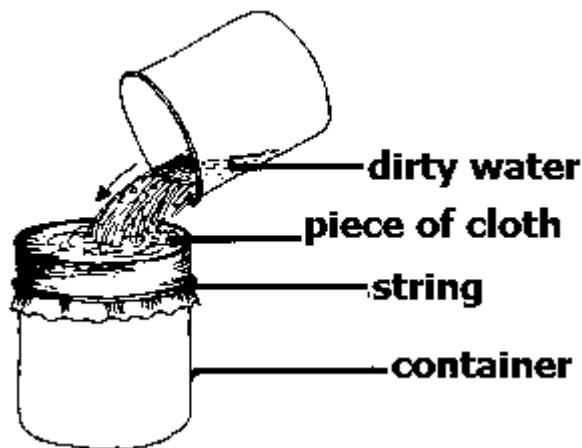
SECTION A (40 marks)

1. Give one source of proteins.

2. How are gills important to a mushroom?

3. In which part of a flower are ovules found?

Below is a process commonly carried out in our homes. Use it to answer questions 4 and 5.



4. Name the process shown in the diagram above.

5. How is the process useful in a home?

6. Give one example of a solute used to make ORS.

7. Which part of a bean plant contains nitrogen fixing bacteria?

8. State the danger of eating with unwashed hands.

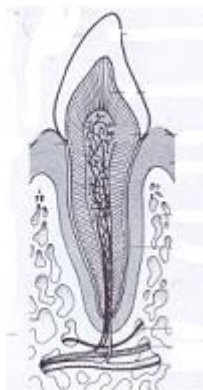
9. Give one factor that may make an egg of a chicken fail to hatch.

10. Why do crop farmers mulch crop gardens?

11. What attracts houseflies to food?

12. State the danger of leaving pigs to roam without proper housing.

Use the diagram below to answer questions 13 and 14.



13. Name the type of tooth shown in the diagram above.

14. How is the tooth important in human beings?

15. Seeds are usually planted in the soil. Where do they get oxygen necessary for germination?

16. State the danger of settling in swamps.

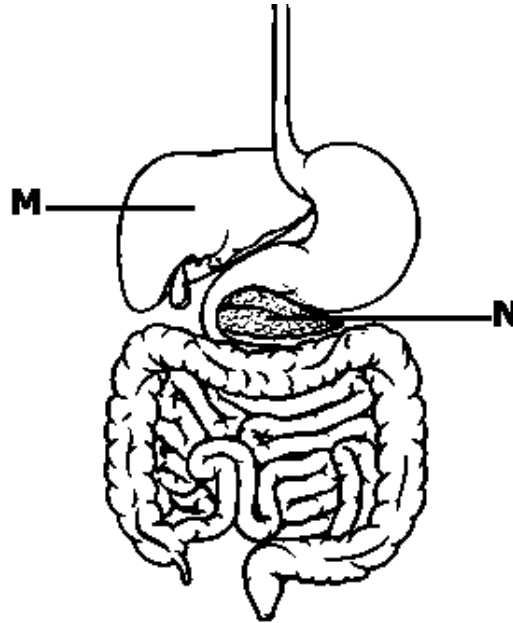
17. Why does an ice block float on water?

18. Give one use of water in a home.

19. Name one animal that moves by flying.

20. How do engineers prevent wires to break in cold conditions?

Below is a part of the alimentary canal. Use it to answer questions 21 and 22.



21. Name the part marked N.

22. How is part marked M important in the digestive system?

23. What are heat insulators?

24. State one danger of the sun in the environment.

25. How is soil important to termites?

26. Give one grain storage facility in our homes.

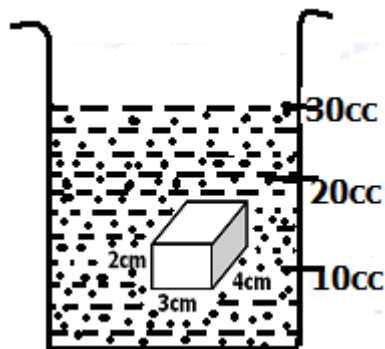
27. State one reason why most goat farmers prefer to use the paddock system of grazing.

28. What is temperature?

29. Which part of a house lets in cool air?

30. Write the class of food suitable for steaming up a sow.

Study the experiment below and answer questions 31 and 32.



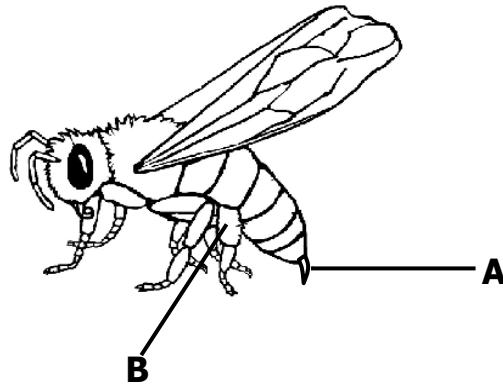
31. Which method of finding volume of objects was used in the above experiment?

32. Why are farmers encouraged to spray their livestock with acaricides?

33. What energy do plants need to make food?

34. Why is milk very important in the fight against kwashiorkor?

The diagram below is of a worker bee. Use it to answer question 35 and 36.



35. Name the part marked with letter B.

36. How is part marked A useful to the bee?

36. Apart from killing germs in clothes, state one other advantage of using soap while washing.

37. Mention one function of roots on a plant.

38. How can you recover salt from a salt solution?

39. What role is played by the cotyledon in a bean seed?

40. Mention one method of preserving food.

Section B (60 marks)

41(a) Apart from Tuberculosis, mention one immunisable disease in infants.

(b) What vaccine is used to immunize children against Tuberculosis.

(c) Give one way vaccines are administered into a human body.

(d) What type of immunity does the body develop when vaccines are administered?

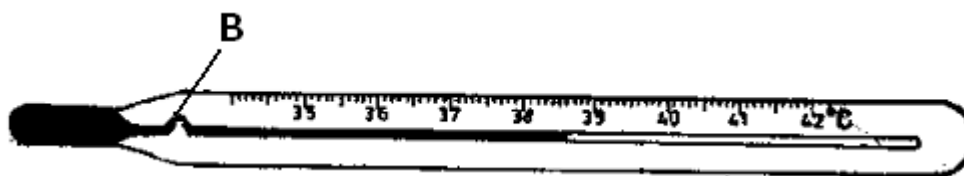
42(a) Give one member of an extended family who is not a member of a nuclear family.

(b) How can lame people be helped in movement?

(c) Mention one advantage of breast-feeding to a baby.

(d) State one situation where bottle-feeding is recommended over breast-feeding.

43. Study the diagram and use it to answer the questions that follow.



(a) Name the instrument shown in the diagram above.

(b) Give the importance of the above instrument in health centre.

(c) Why is mercury preferred in the above instrument to alcohol?

(d) How is part marked B important when using the machine?

44(a) Name the fibre got from keeping Angora goats.

(b) Mention the tool used to remove the fibre mentioned in (a) above from a sheep's body.

(c) How can mating in sheep be made easier?

(d) Point out one disease among sheep.

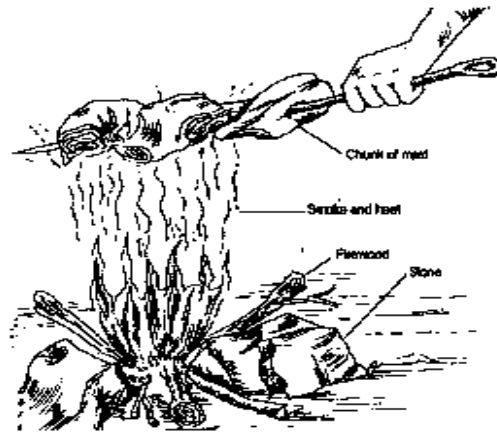
45(a) What are physical changes?

(b) Give one characteristic of a biological change?

(c) What type of change takes place when a dead animal rots to form humus?

(d) Name one type of organisms in our environment that cause rotting.

46. The diagram below shows a man preparing meat over fire. Use it to answer the questions that follow.



- (a) Name the way of preparing food shown in the diagram above.

- (b) Which form of energy is being used to prepare the food?

- (c) How does the form of energy mentioned in (b) above reach the meat?

- (d) What role does the firewood play in the above process?

- 47(a) Give one example of a dicotyledonous seed.

- (b) How is the function of a cotyledon in monocotyledonous seeds different from that in dicotyledonous seeds?

- (c) Point out one thing that passes through the micropyle during germination.

- (d) Mention one way non-flowering plants reproduce.

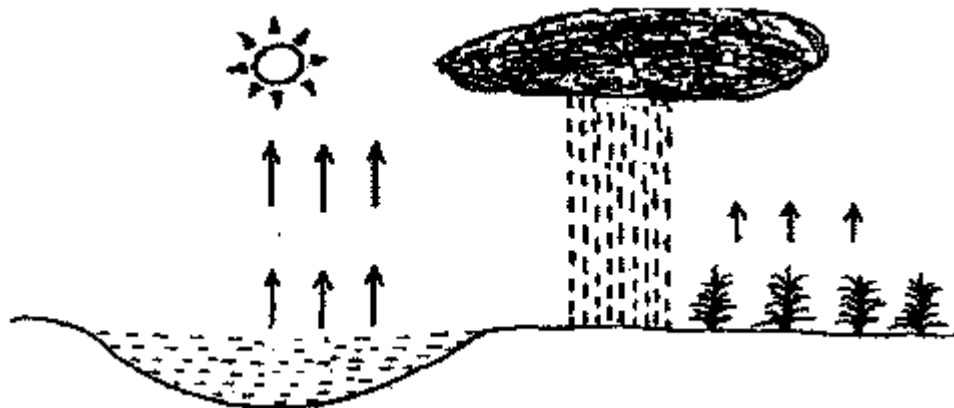
48. (a) Write **PHC** in full.

(b) State any **one** principle of **PHC**.

(c) Give **one** activity you can do to promote personal hygiene.

(a) Give **one** way in which you can care for an elderly person.

49. The diagram shows one of the natural changes in the environment. Use it to answer the questions that follow.



(a) Name the natural process shown in the diagram above.

(b) Use letter **W** to mark any point where condensation takes places.

(c) How are the plants important in the above process?

(d) Mention one way man benefits from the above process.

50(a) How does each of the following organisms obtain its food?

(i) goats

(ii) fungi

(b) Which breathing organs do the following animals use?

(i) tilapia

(ii) cow

51(a) Name the type of chicken kept for meat production.

(b) Why do farmers include shells in the feeds of layers?

(c) Mention one vice among poultry.

(d) Give one way farmers benefit from keeping poultry under the free-range system.

52(a) What is soil erosion?

(b) Mention one cause of soil erosion.

(c) State one effect of soil erosion to the soil?

(d) How do farmers on mountainous areas control soil erosion?

53(a) What type of bees is responsible for mating with the queen bee?

(b) Give one product people get from keeping bees.

(c) Mention any one cause of swarming in bees.

(d) Mention one reason why bee keepers prefer using a modern beehive.

54(a) What are stem tubers?

(b) State one importance of stem tubers to a plant?

(c) Mention one crop with root tubers.

(d) Give one pest that affects root tubers.

55(a) Mention one property of air.

(b) Name the gas plants use to make starch during photosynthesis.

(c) Name one process in nature that needs oxygen to take place.

(d) What name is given to moving air?

END