

WAKISO DISTRICT JOINT EXAMINATIONS BOARD
(WAKISO MAIN, KIRA, MAKINDYE AND NANSANA MUNICIPALITY)
INTERNAL ASSESSMENT TERM THREE SET ONE 2022

PRIMARY SEVEN SCIENCE
TIME ALLOWED: 2 HOURS AND 15 MINUTES

NAME:
SCHOOL:
INDEX NO.

Emis No.						Personal No.		

DISTRICT/ MUNICIPALITY:

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO
READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper is made up of two sections A and B
2. Section A has 40 questions (40 marks)
and B has 15 questions (60 marks)
3. Answer all questions in both sections A and B.
4. All answers must be written in the spaces
provided in Blue or Black ink.
Only diagrams and graph work be done in pencil
5. Any handwriting which cannot be read, may lead
to loss of marks.
6. Unnecessary crossings will lead to loss of marks.

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FOR EXAMINER'S USE ONLY		
QN NO.	MARKS	SIGN
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

TURN OVER

SECTION A (40 Marks)

1. Give the best advantage of crop rotation.

2. What defence mechanism does a chameleon use?

3. Why do insects like white ants which live in the soil fly out after it has rained?

4. Name the joint at the hip bone.

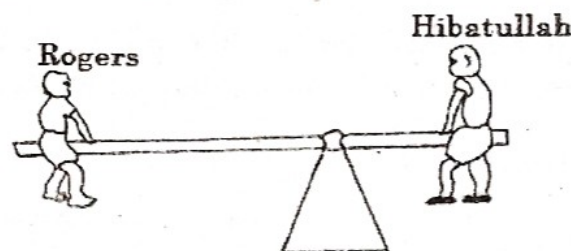
5. Give one example of a water borne disease.

6. Why is it a good health habit to cut our finger nails short?

7. Why must you cover your mouth and nose when coughing or sneezing?

8. Why is breast milk most suitable for newly born babies?

9. Hibatullah and Rodgers are balancing the sea saw as indicated below. How does the diagram show that Hibatullah is heavier than Rogers?



10. How are the eggs of a frog fertilized?

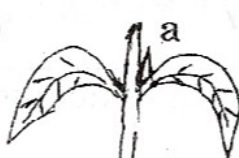
11. Prosper put two spoonfuls of sugar in a cup of water. After an hour every part of the water was sweet. How does the sugar reach every part of the water?

12. Name any one change that will take place in a girl between the ages 12 and 17 years of ages?

13. Why is smoking of Marijuana harmful to the body?

The diagram below shows two boys Kibrah and Titus pulling pieces of wood of equal weight up a wall. Use it to answer questions 15 and 16.



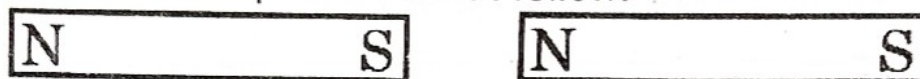
14. Which boy will use less force to pull the wood?
 15. Explain your answer to question 14 above.
 16. In normal circumstances, a human heart pumps 72 times a minute. State any one possible condition that will make it pump more than 72 times a minute.
 17. Fish, reptiles and birds are vertebrates that lay eggs. State one other characteristic which is common to them.
 18. What helps fruits to ripen?
 19. What is the use of a fuse in an electric circuit?
 20. Ruth touched both bars of wood and iron in the morning. Why did the iron bar feel colder than that of wood?
 21. State any one disadvantage of drinking alcohol.
 22. Name the structure marked **a**.
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- A diagram of a flower with a central stem and two leaves. A small structure labeled 'a' is shown at the top of the stem, between the two leaves.
23. Give atleast one function of the kidney.
 24. To what group of juicy fruits does an orange belong?
 25. What happens to the air we breathe in before it enters the lungs?
 26. Give one difference in the structure of leaves of monocotyledons and dicotyledons.

27. Use an arrow to indicate the direction of the flow of electricity in the diagram below.



28. State one way of reducing friction.

29. The diagram below shows two bar magnets placed close to each other. Use it to answer the questions that follow.



Use an arrow to show what happens to the two bar magnets.

30. Which blood cells carry oxygen in the body?

31. What is the importance of smoke during the harvesting of honey?

32. State the eye disease which is spread by a housefly.

33. State any one use of plane.

34. Name the human body system to which the lungs, kidney, and the skin belong.

35. Give one way in which farmers can improve the supply of nitrogen in the soil without the use of artificial fertilisers.

36. What happens to light rays when they meet a convex lens?

37. Which organs are used by both fish and tadpoles for breathing?

38. Name any one scale in which temperature is measured.

39. Why does a coin sink when it is put in a bucket full of water?

40. Give the function of the epiglottis in the respiratory system.

SECTION B (60 Marks)

41.(a) State any two ways in which vectors spread diseases to humans.

(i) _____

(ii) _____

(b) Give any two ways of preventing vectors from spreading diseases to humans.

(i) _____

(ii) _____

42. Match each animal in **X** with the correct group to which it belongs in **Y**.

X	Y
Toad	Reptiles
Ostrich	Amphibians
Chameleon	Birds
Bat	Mammals

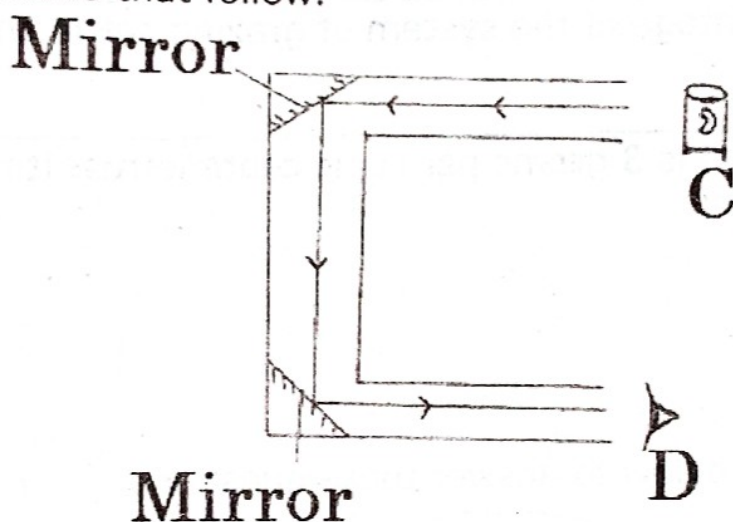
(i) Toad: _____

(ii) Ostrich: _____

(iii) Chameleon: _____

(iv) Bat: _____

43. The diagram below represents an experiment used in science. Use it to answer the questions that follow.



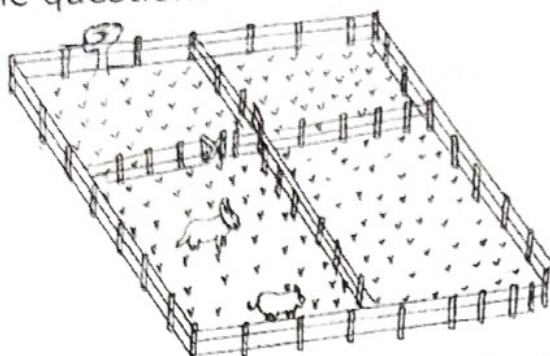
(a) How is Joel at position **D** able to see the object at position **C**?

(b) What type of mirrors are used in this instrument?

(c) What is the name of this experiment?

(d) Give one situation where this instrument is used.

44. The diagram below shows a system of grazing cattle. Study and use it to answer the questions that follow.



(a) Name the system of grazing cattle shown in the diagram above.

(b) Besides restricting the animals, give two other advantages of this system of grazing cattle.

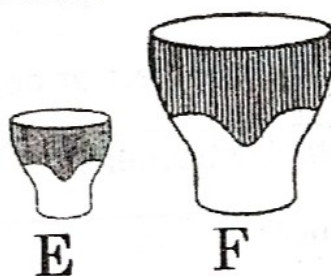
(i) _____

(ii) _____

(c) State one disadvantage of the system of grazing cattle shown in the diagram.

45. The density of sand is 3 grams per cubic centimetres. Its mass is 270 grams. Find its volume.

46. Use the diagrams below to answer these questions.



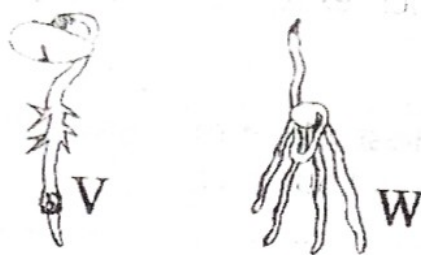
(a) Which drum should be struck to produce a high pitch?

(b) Which drum should be struck to produce a low pitch?

(c) What happens when a sound producing object vibrates faster?

(d) Name a substance through which light cannot pass.

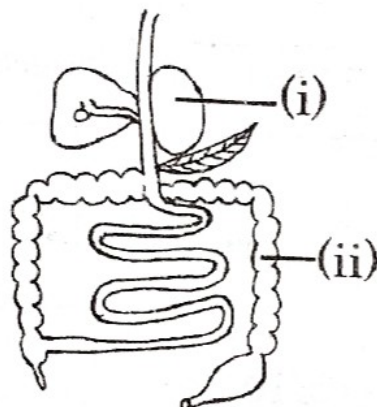
47. The diagram below shows how seeds change into young plants. Use it to answer the questions that follow.



(a) What is the main difference between the type of germination shown in **V** and that in **W**?

(b) Which of these two types of germination is more common in monocotyledonous plants?

48. Below is a digestive system of a person. Answer the questions that follow.



(a) Name the parts labelled;

(i) _____ (ii) _____

(b) Where does absorption of water take place?

(c) What enzyme is found in the saliva?

49.(a) Give two reasons why first aid is given to a patient.

(i) _____

(ii) _____

(b) State two reasons why a proper medical prescription is necessary before taking any medicine.

(i) _____

(ii) _____

50.(a) Name the two major parts of the central nervous system.

(i) _____ (ii) _____

(ii) Identify one non-infectious disease of the nervous system.

(iii) Show any one way in which excessive alcoholism destroys the system above.

51. Razak wants to start a livestock farm. State any four basic requirements he must consider for the farm to succeed.

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

52.(a) What is meant by drug abuse?

(b) Name any one common drug that causes dependency.

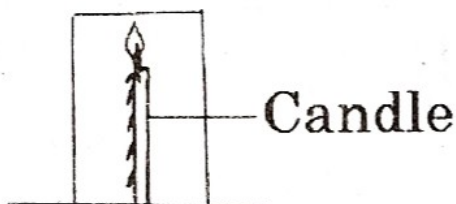
(c) State one effect of drug dependency on the individual and society.

(d) What is the major cause of child poisoning in families?

53. What proves that air is matter?

- (i) _____ (ii) _____

(b) A candle is lit and placed inside a container and sealed as shown in the diagram below.



(i) Why does the candle continue burning for some time inside the sealed container?

(ii) Give a reason why the candle light goes off after some time.

54. Explain what is meant by:

- (a) All clean water is not clean: _____
- (b) Condensation: _____
- (c) Water is life: _____
- (d) Immunization: _____

55.(a) Give two characteristics of insect pollinated flowers.

- (i) _____
- (ii) _____

(b) Why is a moth able to pollinate plants at night?

(c) State the difference between self-pollination and cross pollination.