

# TARGET EXAMINATIONS BOARD

## TERM 3 ASSESSMENT - 2024

### PRIMARY SIX

#### INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

PUPIL'S NAME:.....

SCHOOL NAME:.....

STREAM:.....

DISTRICT NAME:.....

Read the following instructions carefully:

1. This paper is made up of two sections: A and B.
2. Section A has 40 questions (40 Marks).
3. Section B has 15 questions (60 Marks).
4. Answer all questions in both sections A and B.
5. All answers must be written in the space provided in blue or black ball point pens and ink. Only diagrams should be done in pencil.
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any hand writing, which cannot be easily read, may lead to loss of marks.
8. Do not fill anything in the boxes indicated for "Examiners' use only".

#### 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		



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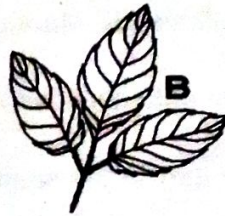
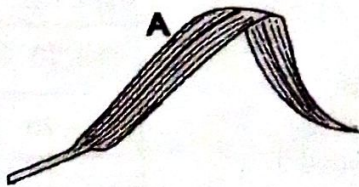
P.6 Science Assessment I Term III - 2024



### **SECTION A (40 Marks)**

1. Give any one example of a sense organ in our body.  
.....
2. Name the part of air which we breathe in.  
.....
3. How does lack of enough proteins in the diet affect children?  
.....
4. State the reason why a stone sinks when it is put in water.  
.....
5. Which element of weather helps farmers to winnow their harvested crops like millet?  
.....
6. Name the natural habitat for a fish.  
.....

The diagrams below show different types of leaves A and B. Study and use them to answer questions 7 and 8.



7. Identify the type of leaf labeled letter A.  
.....
8. Name the type of leaf venation leaf labeled letter B has.  
.....
9. Name the main source of energy in the environment.  
.....
10. How is a spur useful to a cock?  
.....
11. Mention any one organism in the environment which helps in the decomposition of organic matter.  
.....
12. Give any one way how the pitch of sound in a guitar can be varied.  
.....



13. Name the addictive drug found in tobacco.

14. Mention any one state of matter through which heat travels by convection.

15. Write down one reason for preserving food.

16. List any one method farmers use to control weeds.

17. How is a canine tooth suitable for its function?

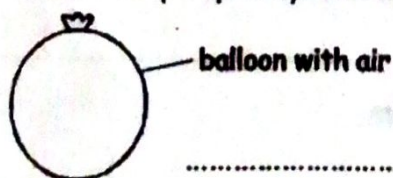
18. Name the units used to measure rainfall.

19. Mention any one item pupils make from banana fibres.

20. Which type of soil is suitable for crop growing?

21. Write down the importance of sepals to a flower during the flowering stage.

22. Name the property of air shown in the diagram below.



23. Give any one example of a non-flowering seed plant.

24. Name the vector which is responsible for the 4Fs germ path.

25. List any one reason why animals move from one place to another.

26. Write down any one principle of Primary Health Care.

27. Mention any one example of a common solute.



28. Give any one activity crop farmers carryout during a dry season.

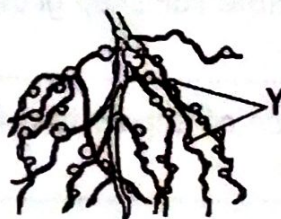
29. How is the reproduction of a scorpion different from the one of other arachnids?

30. Name the form of energy which makes ice to melt.

31. How do deciduous plants control the rate of transpiration?

32. Apart from hearing, give another function of the human ear.

The diagram below shows a type of root system. Study and use it to answer questions 33 and 34.



33. Identify the type of root system shown in the diagram above.

34. Mention any one crop with such type of root system.

35. Write down any one way through which natural immunity is acquired.

36. Name the best food for babies below two years.

37. Give one way in which chemical changes become similar to biological changes.

38. Write down the gestation period of a doe.

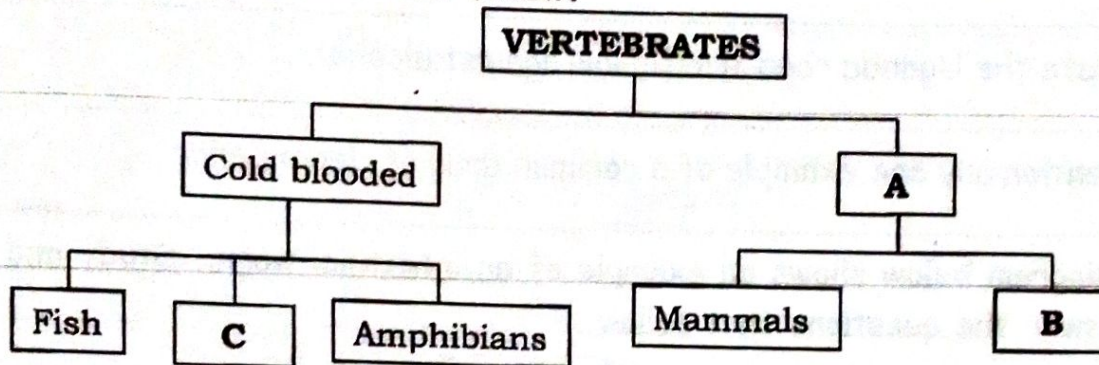
39. Name the food stuff which is mainly rich in vitamin C.



40. Workout the volume of a cuboid measuring 20cm by 15cm by 10cm.

**SECTION B (60 Marks)**

41. The flowchart below shows classification of vertebrates. Study and use it to answer the questions that follow.



(a) Name the group of vertebrates represented by letter A.

(b) How do animals in group B become similar to the ones in group C in the way they reproduce?

(c) Give the meaning of vertebrates.

(d) Give any one example of an egg laying mammal.

42. (a) Give the meaning of mulching.

(b) Mention any two materials which crop farmers use to mulch their gardens.

(i)

(ii)

(c) Give one reason why mulches should be properly dried before they are applied in the garden.

43. List any two examples for each of the following groups of people.

(a) The vulnerable

(i)

(ii)



(b) The needy

(i)

(ii)

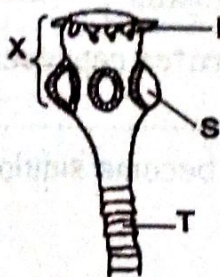
44. (a) Mention any one method used to produce alcohol.

(b) Give any one excuse people give for drinking alcohol.

(c) State the Uganda road traffic law against alcohol.

(d) Mention any one example of a common drug of dependence.

45. The diagram below shows an example of an intestinal worm. Study and use it to answer the questions that follow.



(a) Name parts **X** and **T**.

(i) **X** .....

(ii) **T** .....

(b) State the similarity between part **R** and **S** in their function.

(c) What does the intestinal worm shown in the diagram above feed on?

46. (a) Give the meaning of immunity.

(b) Mention any one type of immunity.

(c) Write the following abbreviations in full.

(i) **UNEPI** .....

(ii) **NIDs** .....

47. (a) Name any two states of matter.

(i) .....

(ii) .....



(b) Name the small particles that make up all matter.

(c) Give one reason why you would not consider light to be matter.

48. Match correctly words in list A with their correct responses in list B.

A	B
(a) Eye	smell
(b) Nose	sight
(c) Skin	taste
(d) Tongue	touch

(i) Eye

(ii) Nose

(iii) Skin

(iv) Tongue

49. (a) Name the furthest clouds in the sky.

(b) Which type of clouds give us steady rain?

(c) State the importance of a sunshine recorder at a weather station.

(d) Give any one danger of a prolonged sunny season (drought).

50. (a) Give one reason why some farmers keep bees.

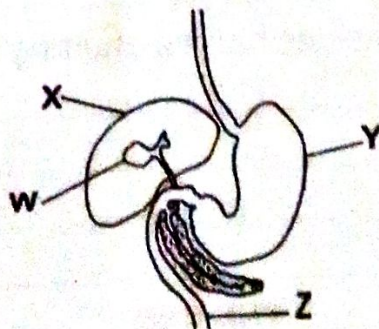
(b) State the importance of a queen excluder in a modern bee hive.

(c) Name the type of bees which;

(i) are sterile

(ii) develop from unfertilized eggs

51. The diagram below shows part of the human alimentary canal. Study and use it to answer the questions that follow.





- (a) Name parts labeled W and Z.  
(i) W .....  
(ii) Z .....
- (b) Name the digestive juice produced by part labeled with letter X.  
.....
- (c) How is part labeled Y adapted to accommodating more food?  
.....
52. (a) Name any one crop which is first grown in a nursery bed.  
.....
- (b) Give two ways how farmers care for crops in a nursery bed.  
(i) .....  
(ii) .....
- (c) Write down any one importance of a school garden.  
.....
53. (a) Name the condition in which the body lacks enough water.  
.....
- (b) Write ORS in full.  
.....
- (c) Name the solvent which is usually used to make ORS.  
.....
- (d) Mention one solute used to make ORS locally at home.  
.....
54. (a) Mention any two components of the circulatory system.  
(i) .....  
(ii) .....
- (b) State the importance of the heart to the human body.  
.....
- (c) State the importance of the septum in the human heart.  
.....
55. List any four factors to consider before starting a livestock farm.  
(i) .....  
(ii) .....  
(iii) .....  
(iv) .....