

TARGET EXAMINATIONS BOARD

END OF TERM 1 EXAMINATIONS - 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 End of Term I – 2024

SECTION A (40 Marks)

1. Name the component of soil plants need to make their food.

2. How do goats depend on plants surrounding them?

3. Why is a spider not regarded as an insect?

4. Which vaccine is given to the child through the mouth?

5. Name the animal product used in leather industry.

The diagram below shows a type of a tooth. Use it to answer question 6.



6. Give the function of the type of tooth shown above.

7. How important is castration in pigs and goat rearing?

8. What happens to water or liquids when heated?

9. How does bacteria reproduce?

10. Write down one element of Primary Health Care.

11. What mode of fertilization do most reptiles undergo?

12. Give one advantage of practicing mulching in a crop farm.

13. State one importance of trimming our finger nails.

14. How is a vector different from a germ?

The diagram below shows part of digestive system. Use it to answer question 15.

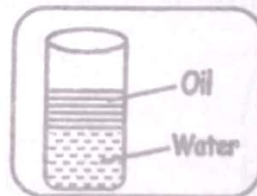


15. Name the part labeled A.

A.

16. How are enzymes important in the digestion of food?
17. Mention the main condition provided by a hen when it incubates its eggs.
18. Why do farmers mate local breeds of hens with exotic breeds of cocks?
19. Give any one disease spread through 4Fs germ path.
20. State any one importance of feathers to birds.
21. Why are sick people regarded as vulnerable groups of people?
22. Why are mothers with children suffering from anaemia advised to feed on green vegetable?
23. Write down any one exotic breed of rabbits commonly kept in Uganda.
24. Why does water go through sand soil very fast?

The diagram below shows two liquids mixed and they settled as shown. Use it to answer question 35.



25. Why does water settle at the bottom and oil floats on top?
26. Give one importance of rain in the environment.
27. In one sentence, give the meaning of the scientific term "germination".
28. How are the eggs of a fish fertilised?
29. An irregular object had a mass of 33 gms and displaced a liquid of 11cc. Calculate the density correctly.

30. Give the danger of having stagnant water in the environment.

31. Which gas occupies the smallest percentage of air in the atmosphere?

32. Mention one danger of birds in the environment.

33. Identify the breathing organs for most arachnids like spiders.

34. Give one use of a vacuum flask at home.

35. Why is a bat called a mammal not a bird?

36. Write down any one characteristic of poisonous snakes.

37. State any one importance of earthworms to the soil.

38. What is the gestation period of a nanny goat?

The diagrams below show bottles of the same size but with different amounts of water in them. Use them to answer the questions that follow.



39. Which of the bottles above will produce sound with the highest pitch?

40. Give a reason to support your answer in No. 39 above.

SECTION B (60 Marks)

41. (a) What term is used to mean the massive movement of bees from one place to another in search of a new home?

(b) Identify any two reasons why bees swarm.

(i)

(ii)

(c) Why are bees referred to as social insects?

42. (a) What is immunity?

(b) How is polio vaccine administered?

(c) Why are we encouraged to immunize infants?

(d) Give any one example of a vaccine administered to babies at birth.

43. Use the diagram below to answer questions that follow.



(a) Identify the essential drug in the diagram above.

(b) State the possible danger of using the above drug in 2022.

(c) Write down the precaution measure about how to handle the drug above.

(d) State any one importance of drug prescription.

44. (a) Write down any one activity people in local communities can do to promote health.

(b) How do the following life styles promote health;

(i) Eating balanced diet?

(ii) Ironing clothes?

(iii) Cutting long finger nails?

45. (a) What is bottle feeding?

(b) Give two circumstances where a mother should use bottle feeding instead of breast feeding.

(i)

(ii)

(c) Mention any one advantage of bottle feeding to a mother.

46. Match the following diseases to their vectors correctly.

Disease vector

Malaria

tiger mosquito

Bubonic plague

itch mite

Yellow fever

anopheles mosquito

Scabies

rat flea

(i) Malaria

(ii) Bubonic plague

(iii) Yellow fever

(iv) Scabies

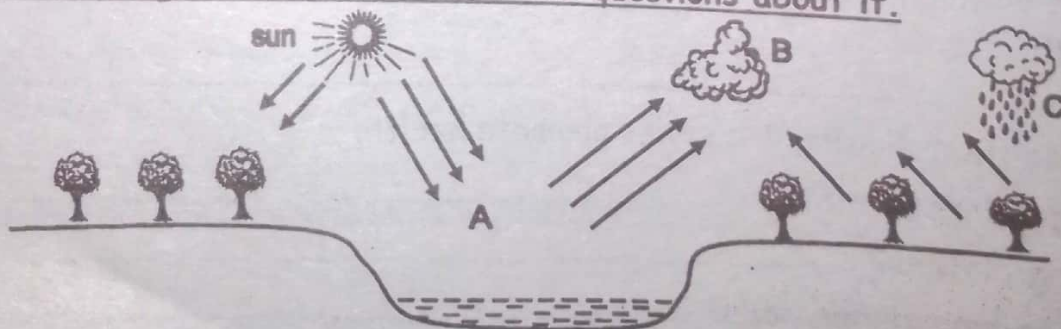
47. (a) Where does digestion start in human beings?

(b) Name the digestive juice produced in the stomach.

(c) Mention one function of the ileum as regards to digestion.

(d) State one good health habit for maintaining the digestive system.

48. Use the diagram below to answer the questions about it.



(a) What does the diagram above show?

(b) Identify the process at:

(i) A

(ii) B

(c) How is the process at C important to plants?

49. (a) Write **PIASCY** in full.

(b) Which disease is controlled through **PIASCY** messages?

(c) Identify any **two PIASCY** messages at your school.

(i)

(ii)

50. (a) Define the following terms as used in the study of sound energy.

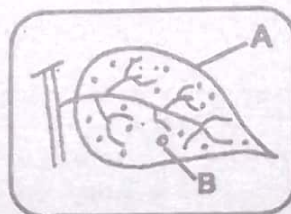
(i) Volume

(ii) Pitch

(b) Write down one factor which determines the pitch of sound.

(c) How do you store sound energy?

51. The diagram below is of a plant leaf. Use it to answer questions that follow.



(a) Name the parts labeled A and B.

(i) A

(ii) B

(b) Which type of leaf is shown in the diagram?

(c) Give one use of leaves to a plant.

52. (a) Name the bacteria which causes cholera.

(b) Give one use of bacteria in the environment.

(c) Write down any one way how you can prevent diseases caused by bacteria.

(d) Mention one condition needed for the multiplication of bacteria.

53. (a) Why is the blood pumped to the lungs first before pumping to all parts of the body?

(b) Give the structural difference between arteries and veins.

(c) Identify the deficiency disease of the circulatory system.

(d) State one way of caring for the circulatory system.

54. (a) What is food path?

(b) Mention one type of the food path.

(c) Write down any one block in the food path.

(d) Why is spraying of crops in the garden important?

55. The list below shows different organisms. Use it to answer the questions that follow.

LIST A	LIST B	LIST C	LIST D
Eagle	Monkey	Lizard	Cockroach
Pigeon	Kangaroo	Turtle	Locust
Duck	Goat	Chameleon	Butterfly

(a) How are animals in list A, B, C similar?

(b) What type of fertilization do animals in list B undergo?

(c) Why are animals in list C said to be cold blooded?

(d) To what group of vertebrates do animals in list A belong?

THE END