

TARGET EXAMINATIONS BOARD

END OF TERM 1 EXAMINATIONS - 2024

PRIMARY SEVEN

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.						Personal No.		

Candidate's Name:.....

Candidate's Signature:.....

District ID No.

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Read the following instructions carefully:

1. Do not write your **school** or **District** name anywhere on this paper.
2. Section **A** has **40** questions (**40** marks)
3. Section **B** has **15** question (**60** marks)
Attempt **ALL** questions.
All answers to both sections **A** and **B** must be written in the spaces provided.
4. All answers **MUST** be written using blue or **black** ball – point pen or **ink**. Diagrams should be drawn in **pencil**.
5. Unnecessary **changes** of work may lead to **loss** of marks.
6. Any handwriting that cannot easily be read may lead to **loss** of marks.
7. Do not fill anything in the boxes indicated
"For examiner's use only".

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		



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P.7 Science End of Term I – 2024

SECTION A (40 Marks)

1. Give the function of a micropyle to a germinating seed.

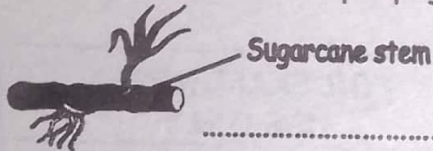
2. In which way does bush burning lead to soil erosion?

3. What germ causes foot and mouth disease?

4. Give one use of useful bacteria in the environment.

5. How can stones be separated from rice?

6. Name the method of propagation shown here.



7. State one characteristic of loam soil.

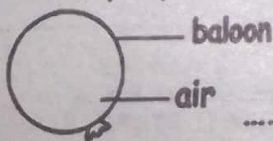
8. When sugar is added to hot water, why is it stirred?

9. Give a similarity between a spider and a tick.

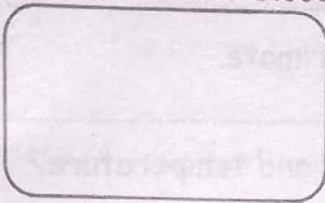
10. Why does a sick person need to drink a lot of water?

11. State a difference between volume and mass.

12. Which property of air is shown below?



13. State one function of a human skeleton.

14. How does a passion fruit plant benefit from growing near a fence?
.....
.....
15. Explain how green plants are important in a water cycle.
.....
.....
16. What is current electricity?
.....
.....
17. Which part in a joint produces synovial fluid?
.....
.....
18. Why is a maize grain grouped under monocotyledons?
.....
.....
19. Draw a labeled diagram of a white blood cell.

.....
.....
20. Briefly explain how an anemometer is useful at a weather station.
.....
.....
21. Give one way animals benefit from plants.
.....
.....
22. Which body organ allows gaseous exchange?
.....
.....
23. Give one sign of mastitis in cattle.
.....
.....
24. Name a membrane which protects the bird's eye while it is flying.
.....
.....
25. Why does digested food carried to the liver?
.....
.....
26. State the boiling point of water in degrees Fahrenheit.
.....
.....
27. Why is distilled water not fit for drinking?
.....
.....
28. In which way is breastfeeding useful to the mother?
.....
.....

29. Give a danger of grazing a goat tied on a rope.

30. Which type of plants have this kind of leaf venation?



31. Name the type of muscles which work with the consciousness of the brain.

32. State **one** way in which the soil is important to an earth worm.

33. Why is the muscle of the left ventricle thicker than the right ventricle?

34. Give one importance of fingers to a primate.

35. What is the difference between heat and temperature?

36. Describe the first aid for fever.

37. How do plants benefit from bees?

38. How is a house fly able to spread germs?

39. Give **one** danger caused by too much use of artificial fertilizers.

40. Name a movable joint between the atlas and axis bones of the neck.

SECTION B (60 Marks)

41. (a) Give any **two** methods of cleaning water for washing clothes at home.

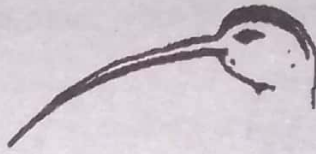
(i)

(ii)

(b) Why is water cleaned using any of the above mentioned methods?

(c) Give a difference between clean water and safe water.

42. The diagram below shows a beak of a bird. Use it to answer the questions below.



(a) Which type of bird has a beak shown above?

(b) What type of food does it feed on?

(c) Give one adaptation of the above beak to its function.

(d) Mention one example of a bird belonging to the type mentioned above.

43. (a) What is an electric circuit?

(b) Give the importance of one of the following parts of a circuit.

(i) dry cell

(ii) switch

(iii) fuse

44. (a) Mention any two things which may happen when wet seeds/grains are stored in a granary.

(i)

(ii)

(b) State any two qualities of a good granary.

(i)

(ii)

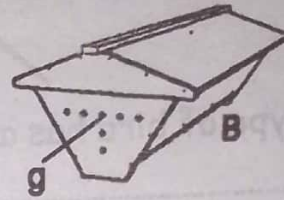
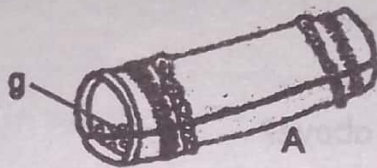
45. (a) Mention the system commonly practiced in rearing poultry in rural areas.

(b) Why is the above system preferred to other systems?

(c) Mention one poultry disease caused by Protozoa.

(d) How can the above mentioned disease be controlled?

46. The diagrams below show bee hives. Study them and answer the following questions.



(a) Name the type of bee hive marked A.

(b) Give the importance of holes marked with letter "g".

(c) State two advantages of type of bee hive marked B over type A.

(i)

(ii)

47. (a) Explain the following terms.

(i) Soil profile

(ii) Soil erosion

(b) State two ways of improving soil fertility.

(i)

(ii)

48. (a) Explain the meaning of the following terms:

(i) Sprains

(ii) Strains

(b) Give two importance of vigorous body exercises.

(i)

(ii)

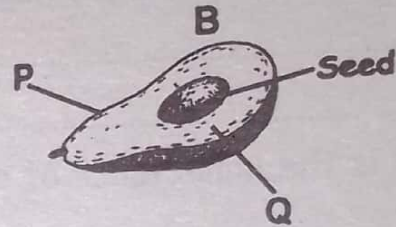
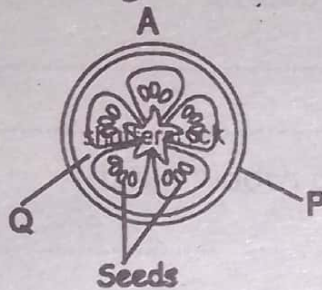
49. (a) Give a reason why a frog is able to live both in water and land comfortably.

(b) To which group of vertebrates does it belong?

(c) What helps a frog to swim?

(d) How are the frogs' eggs protected?

50. Study the two diagrams and answer the following questions.



(a) Name the type of succulent fruit shown in **A** above.

(b) Give one similarity between the two fruits.

(c) State one difference between the structures of the two fruits.

(d) Name the method of fruit dispersal for the two fruits above.

51. (a) Give the importance of the following food values.

(i) Iodine

(i) Calcium.....

(ii) Vitamin B₁.....

(b) Why do pregnant mothers need more food rich in proteins?

52. Joseph stepped his foot on a hot charcoal.

(a) What type of accident did he get?

(b) Which body organ was affected?

(c) Explain what Joseph should do immediately.

(d) Why does he do that immediately?

53. (a) A rabbit has painful ears with small wounds. Which disease is this?

(b) Give two ways of controlling diseases in rabbits.

(i)

(ii)

(c) What is the importance of a wire net on a rabbit hutch?

54. (a) Give two ways a girl may avoid teenage pregnancy.

(i)

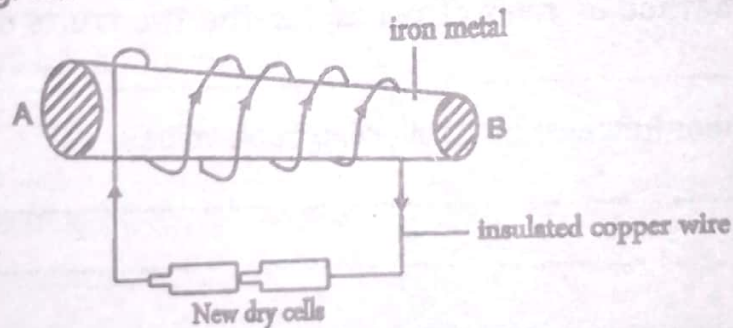
(ii)

(b) State any two dangers of early pregnancy to a girl.

(i)

(ii)

55. Study the diagram below and use it to answer the questions.



(a) Name the method of making a magnet shown above.

(b) What pole will the end marked A become?

(c) What would you do in order to increase the strength of the magnet?

(i)

(ii)

THE END