

STEM EXAMINATIONS BOARD
TERM ONE ASSESSMENT SET I, 2024
PRIMARY SEVEN
INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

	Random No.	Personal No.
Index No.	<div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px; border: 1px solid black;"></div><div style="width: 20px; height: 20px; border: 1px solid black;"></div><div style="width: 20px; height: 20px; border: 1px solid black;"></div><div style="width: 20px; height: 20px; border: 1px solid black;"></div><div style="width: 20px; height: 20px; border: 1px solid black;"></div><div style="width: 20px; height: 20px; border: 1px solid black;"></div></div><div><div style="width: 20px; height: 20px; border: 1px solid black;"></div><div style="width: 20px; height: 20px; border: 1px solid black;"></div><div style="width: 20px; height: 20px; border: 1px solid black;"></div></div></div>	<div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px; border: 1px solid black;"></div><div style="width: 20px; height: 20px; border: 1px solid black;"></div><div style="width: 20px; height: 20px; border: 1px solid black;"></div></div><div><div style="width: 20px; height: 20px; border: 1px solid black;"></div><div style="width: 20px; height: 20px; border: 1px solid black;"></div></div></div>

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. This paper has two sections: **A** and **B**. Section **A** has **40** questions and Section **B** has **15** questions. The paper has **8 printed pages** altogether.
3. Answer **all** questions. **All** answers to both Sections **A** and **B** must be written in the spaces provided.
4. **All** answers must be written using a **blue** or **black** ball point pen or ink. Any work written in pencil other than graphs and diagrams will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to **loss of marks**.
6. Do **not** fill anything in the table indicated: **"For Examiners' Use Only"** and boxes inside the question paper.

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		

SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name one social insect in the environment.

2. State any one human activity which destroys the environment.

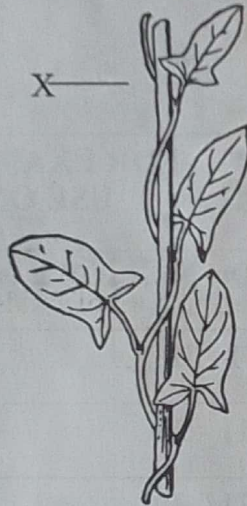
3. How do human beings produce sound?

4. What causes constipation among human beings?

5. Which biological change helps living organisms to multiply?

6. Give any one reason why human beings should eat properly cooked meat.

The diagram below shows a plant stem. Study and use it to answer questions that follow.



7. State the role of the structure marked X to a plant.

8. Why do plants with weak stems climb other plants?

9. Give any one benefit of steaming up an in calf.

10. How are canine teeth able to tear food?

11. Why does flour remain suspended in water when mixed?

12. Give any one reason why it is dangerous to dump plastic materials on soil.

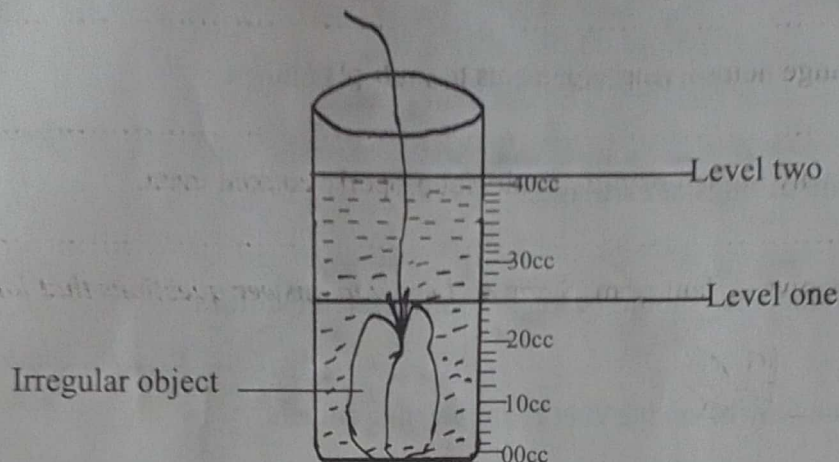
13. Name the commonest way HIV/AIDS spreads among human beings.

14. Why are banana plants called perennial crops?

15. State the role of blood platelets in the human body.

16. How are gutters important when harvesting rain water?

Study the experiment below and use it to answer the questions that follow.



17. Why does water level rise from 25cc to 40cc?

18. State the benefit of giving the person who has taken poison a lot of fluids to drink.

19. How do fish reproduce?

20. How does boiling make water safe for human consumption?

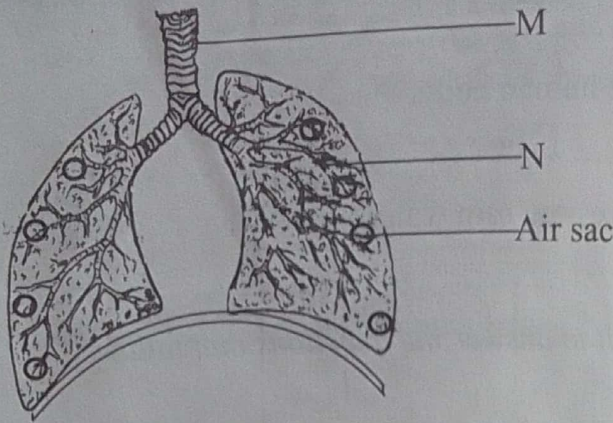
21. Give one reason why people smoke meat.

22. State any one way human beings use water as a resource.

23. How do bats benefit from echo in the environment?

24. Write down any one feature of a conventional pit latrine.

The diagram below shows a human body organ. *Study and use it to answer questions No. 25 and 26.*



25. Name the human body system to which the above organ belongs.

26. Why is part **M** made of rings of cartilage?

27. Give a reason why vaccines should be kept in refrigerated facilities.

28. Write down any one way of saving energy in the environment.

29. Why are guava seeds dispersed by animals?

30. Which element of Primary Health Care saves life?

31. How does heat from the charcoal stove reach a human being who is sited nearer it?

32. Apart from the process mentioned in number 31, give one other way heat travels through matter.

33. Give any one benefit of using modern bee hives in bee keeping.

34. Write down one quality of essential drugs.

35. Why does water drain faster in sand soil than clay?

36. Name one weather instrument kept in a Stevenson screen.

37. How is the administration of DPT vaccine different from that of polio vaccine?

38. What benefit do farmers get from keeping rabbits.

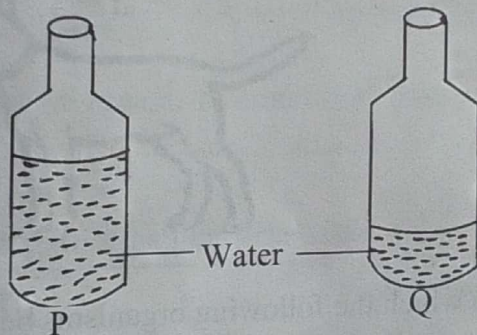
39. State any one component of air.

40. Why should sick people be fed on foods rich in vitamins?

SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each.)

Use the diagrams below to answer the questions that follow.



41. (a) Name the group of musical instruments to which the instruments above belong.

(b) How do the above instruments produce sound when played?

(c) Which instrument produces sound with higher pitch?

(d) Give a reason to support your answer.

42. (a) Name the chemical substances added to the soil to supply plant nutrients.

(b) Why is NPK called a compound fertilizer?

(c) Give any two methods used to apply manure in crop gardens.

43. (a) How are burns similar to scalds?

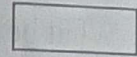
(b) State the benefit of dipping the burnt part in clean cold water.

Turn Over

(c) Give any two ways of preventing burns and scalds at home.

(i).....

(ii).....



44. (a) Why should poultry birds be provided with enough space?

.....

(b) State the importance of putting litter in a poultry house.

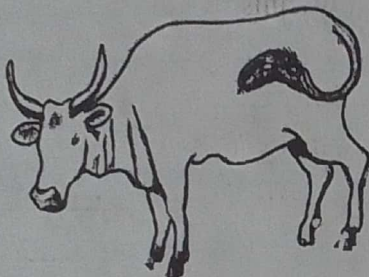
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(c) Give any two materials used as litter in a poultry house.

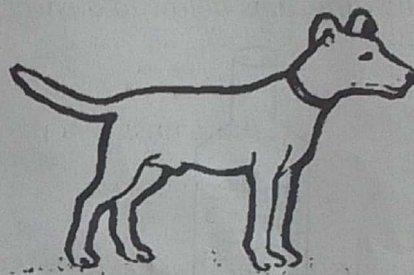
(i).....

(ii).....

The diagrams below show animals in the environment. *Study and use them to answer questions that follow.*



X



Y

45. (a) Name the group of mammals to which the following organisms belong;

(i) X

(ii) Y

(b) What type of food does animal Y feed on?

.....

(c) Why is animal X called a ruminant animal?

.....

46. (a) What happens after successful fertilization in the human body?

.....

(b) Where does fertilization take place in the human body?

.....

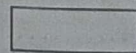
(c) Why do mothers who frequently give birth become anaemic?

.....

(d) Give any one sign of pregnancy among human beings.

.....

47. Match activities carried out on the cattle farm with their benefits.



	Activities	Benefit (s)
(i)	Castration	Helps to identify animals
(ii)	Dehorning	Prevents inbreeding among animals
(iii)	Drenching	Reduces risks of animals injuring others
(iv)	Numbering	Controls internal parasites among cattle

- (i) Castration
- (ii) Dehorning
- (iii) Drenching
- (iv) Numbering
48. (a) Which gas supports burning?
.....
- (b) Give any two similarities between burning and rusting.
(i).....
(ii).....
- (c) How does painting protect metals against rusting?
.....
49. (a) Name the fungal organism human beings use as food in the environment.
.....
- (b) Apart from the organism above, give any two fungal organisms.
(i).....
(ii).....
- (c) Why do fungal organisms commonly grow on rotting matter?
.....

50. Fill in the missing information in the table below.

Disease vector (s)	Disease (s)
Black fly	(i).....
(ii).....	Scabies
Rebid dog	(iii).....
(iv).....	Bilharziasis

51. (a) What causes night blindness among human beings?
.....
- (b) How does night blindness affect the human body?
.....
- (c) Give any two food materials which help to prevent night blindness in human beings.
(i).....
(ii).....
- Below is a list of processes. *Study and use it to answer questions that follow.*

Evaporation, condensation, melting, freezing

52. (a) What causes condensation in the environment?
.....

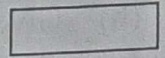
(b) Give any two processes that occur due to heat gain.

(i).....

(ii).....

(c) Apart from the above processes, state any one effect of heat on matter.

.....



53. (a) Mention any two natural methods of family planning.

(i).....

(ii).....

(b) Give any two advantages of natural methods of family planning.

(i).....

(ii).....

Study the illustration below and use it to answer questions that follow.

Sugar + Yeast \longrightarrow Alcohol + Carbon dioxide + Heat

54. (a) Name the natural process shown above.

.....

(b) State the importance of the above process in the environment.

.....

(c) Give the role of yeast in the above process.

.....

(d) How is yeast locally obtained?

.....

The diagram below shows an activity carried out in crop garden. Study and use it to answer questions that follow.



55. (a) Name the activity shown in the diagram above.

.....

(b) Why do crop farmers carry out the activity above in their crops?

.....

(c) Apart from the activity above, give any two ways of caring for crops in the garden.

(i).....

(ii).....

