

STEM EXAMINATIONS BOARD

TERM ONE ASSESSMENT SET III, 2024

PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.	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. 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 the type of living things which make food.
.....
2. Give any one health activity done after a meal.
.....
3. How does over cultivation lead to soil erosion?
.....
4. Give any one way mothers benefit from breast feeding their babies.
.....
5. What is the importance of threshing harvested cereals?
.....
6. How does the cork help to keep the porridge hot in a thermos flask?
.....
7. Give any one reason why evaporation is called a physical change.
.....
8. How do worker bees defend the hive against enemies?
.....
9. Write down one way of preventing disease vectors in the environment.
.....

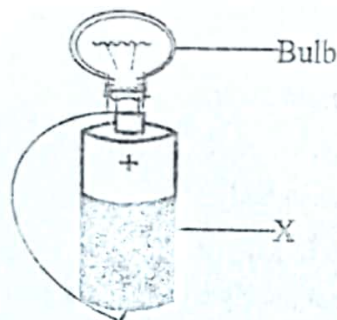
The diagram below shows a vertebrate in the environment. *Study and use it to answer questions 10 and 11.*



10. Name the group of vertebrates to which the above organism belongs.
.....
11. Why is the above organism called a cold blooded vertebrate?
.....
12. Give a reason why sound is always heard louder at night.
.....
13. Write down one way of ensuring accurate rainfall measurements.
.....
14. What is the danger of poor personal hygiene to the human body?
.....

15. Why should the rabbit hutch be raised off the ground?
.....
16. Give one way human beings use old broken plastic containers in the environment.
.....
17. What causes constipation among human beings?
.....
18. Which immunisable disease shows red eyes, fever and skin rash in babies?
.....

Study the diagram below and use it to answer questions 19 and 20.

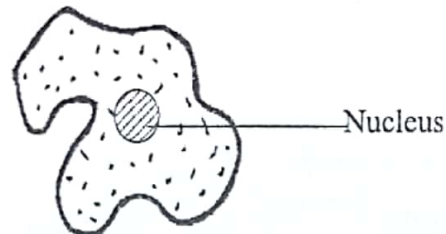


19. Using an arrow, show the flow of current on the diagram above.
20. Give the role of the part marked X in the circuit.
.....
21. Why should ash be regularly added in Ecosan latrines?
.....
22. Write down one sign of a sick goat.
.....
23. What is the role of oxygen during seed germination?
.....
24. Mention any one immunisable disease prevented using DPT vaccine.
.....
25. Why do human beings usually put on light clothes?
.....
26. Name one scale used to measure temperature.
.....
27. Give any one way human beings use tobacco in the environment.
.....
28. Write down any one importance of switching off electric appliances when not in use.
.....

29. Why do farmers fence their cattle farms?

30. What is the importance of giving first aid to accident victims?

The diagram below shows the blood cell. *Study and use it to answer questions 31 and 32.*



31. Name the blood cell shown in the diagram above.

32. How is the above cell useful in the human body?

33. Give a reason why it is dangerous to eat poorly cooked meat.

34. What do we call the maximum height reached by the vibration?

35. Why do bedbugs produce bad smell when threatened?

36. Write down any one way measles spreads among human beings in the environment.

37. How does too much rainfall affect aquatic life?

The diagram below is of food material. *Study and use it to answer questions 38 and 39.*



38. Name the food material shown in the diagram above.

39. Why should the above food material be included in the diet?

40. Give any one effect of floods in the environment.

SECTION B: 60 MARKS
(Questions 41 to 55 carry four marks each.)

41. (a) Which type of root system is found in cereal crops?

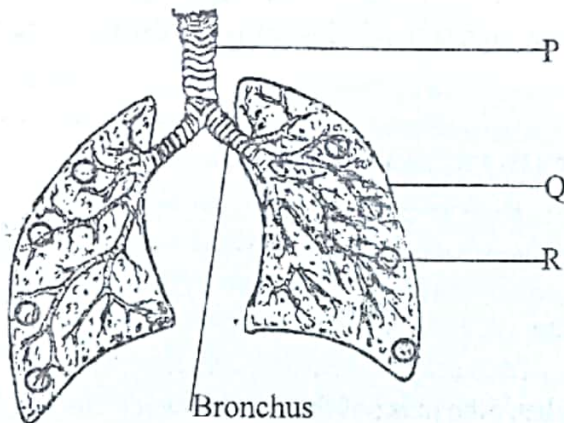
(b) Why do roots of cassava plants swell?

(c) Give any two uses of roots to plants.

(i).....

(ii).....

The diagram below shows respiratory organs. Study and use it to answer questions that follow.



42. (a) Name the parts marked;

(i) P

(ii) Q

(b) Why is part P able to keep open?

(c) Give any one adaptation of the part marked R to gaseous exchange.

43. (a) Give two factors considered before soaking clothes.

(i).....

(ii).....

(b) How does sun drying helpful in cleaning of clothes?

(c) Why should clothes be sorted before soaking them?

44. (a) Name the type of lifecycle through which a housefly undergoes.

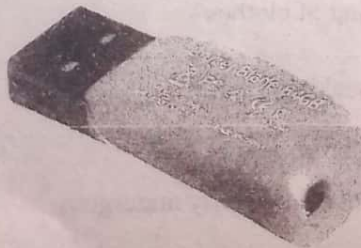
(b) Give any two disease vectors which undergo the same lifecycle as houseflies.

(i).....

(ii).....

- (c) Why do houseflies commonly lay eggs from rotting matter?
.....
45. (a) Which type of mash is given to layer chickens?
.....
- (b) Why should layer chickens be fed on foods rich in calcium?
.....
- (c) Give any two materials used to make mash for poultry.
(i).....
(ii).....
46. (a) Why are plants called renewable resources?
.....
- (b) Name the natural process through which living things replace themselves when used.
.....
- (c) Apart from plants, give any two renewable resources.
(i).....
(ii).....
47. (a) What causes near drowning?
.....
- (b) Why should a first aider check the pulse of the near drowned casualty?
.....
- (c) Give any two ways of saving the life of a near drowned person.
(i).....
(ii).....
48. (a) Write down any two delicate body organs protected by the skull.
(i).....
(ii).....
- (b) Apart from protection, give any two functions of the human skeleton.
(i).....
(ii).....

The diagram below shows a device used to store sound. *Study and use it to answer questions that follow.*



49. (a) Name the device shown in the diagram above.
.....
- (b) How is sound stored on the above device?
.....

(c) Give any two devices used to reproduce sound stored on the above device.

(i).....

(ii).....

50. (a) What is drug misuse?

(b) Write down any two ways patients abuse drugs.

(i).....

(ii).....

(c) Give any one way of preventing drug misuse.

51. (a) Name two conditions necessary for rusting to take place.

(i).....

(ii).....

(b) Give any one danger of rusting in the environment.

(c) How does painting prevent rusting of metals?

52. Match processes in A with their meanings in B.

	A	B
(i)	Ovulation	Union of a male and female gametes
(ii)	Fertilisation	Permanent attachment of the embryo to the uterus
(iii)	Gestation	Release of a mature ovum to the oviduct
(iv)	Implantation	Time taken from fertilization to giving birth

(i) Ovulation

(ii) Fertilisation

(iii) Gestation

(iv) Implantation

The diagram below shows a farming activity. Study and use it to answer questions that follow.



53. (a) Which farming activity is shown in the diagram above?

(b) What is the use of the equipment marked X in crop growing?

(c) Give any two benefits of the above activity in crop farming.

(i).....

(ii).....

The table below shows common animals in the environment. *Study and use it to answer questions that follow.*

A	B
Python	Gecko
Puff udder	Chameleon

54. (a) What general name is given to the above animals?

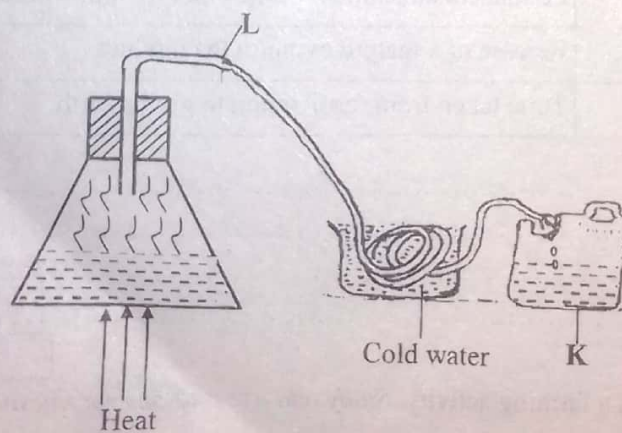
(b) Give any two similarities between animals in A and B.

(i).....

(ii).....

(c) Name any one animal that can be added to group A.

The diagram below shows a method of making alcohol. *Study and use it to answer questions that follow.*



55. (a) Name the substance marked K in the diagram above.

(b) Why is part marked L coiled as it passes through cold water?

(c) Give two physical processes involved in the above process.

(i).....

(ii).....

END