

**STEM EXAMINATIONS BOARD**  
**TERM ONE ASSESSMENT SET V, 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. How do mushrooms reproduce?  
.....
2. Write down any one sign of malnutrition among babies.  
.....
3. State any one source of electricity.  
.....
4. Which type of soil erosion results into the formation of small channels in the field?  
.....
5. Name the joints found in the human skull.  
.....
6. State the role of a queen bee in a hive.  
.....

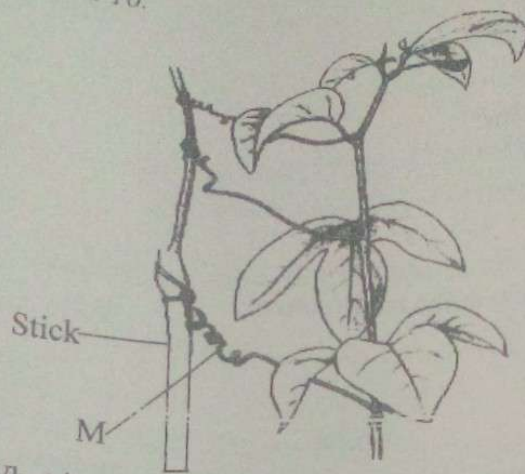
The diagram below shows a type of injury. Study and use it to answer questions 7 and 8.



7. Which type of injury did the person above get as shown in the diagram above?  
.....
8. What is the recommended first aid for the above type of injury?  
.....
9. How is sound produced by solfa notation reproduced?  
.....
10. State any one cause of HIV /AIDS.  
.....
11. Mention any one reason why minerals are called non renewable resources.  
.....
12. Give the function of the large intestines in the human digestive system.  
.....



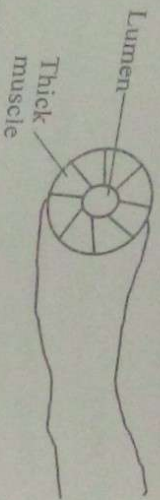
13. Which type of worms lives in the intestinal lining of human beings?
14. Give any one activity farmers do during dry season.
- The diagram below shows a passion fruit climbing. Study and use it to answer questions 15 and 16.



15. What is the function of the structures marked M to a passion fruit plant?
16. Apart from passion fruit plants, give any one other plant which climbs other plants as shown above.
17. What causes tooth decay among human beings?
18. Write down any one characteristic of root crop pests.
19. Why is breast feeding essential for babies below five years old?
20. Give any one way conduction of heat through matter benefits human beings.
21. Write down any one benefit of the sun to crop farmers.
22. Give any one danger of using electricity at home.
23. Why does the ribcage move outwards and upwards during breathing in?
24. How is the administration of BCG vaccine similar to that of polio vaccine?



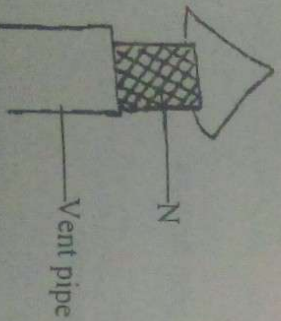
The diagram below shows the type blood vessel. Study and use it to answer questions that follow:



25. Name the blood vessel shown in the diagram above.
26. Why is the above vessel made of thicker muscles?
27. Give any one use of a cobweb to a spider.
28. Write down any one benefit of proper sanitation in the environment.
29. Give any one way of making hard water soft.
30. Which element of Primary Health Care (PHC) is promoted when expectant mothers go for ante-natal care?

31. How does upthrust force affect the objects in water?
32. Give any one way human beings conserve their environment.
33. Which drug in tobacco leads to the narrowing of blood vessels to the heart?
34. Why do cattle farmers put number laces in the ears of their animals?

The diagram below shows the structure found on the VIP latrine. Study and use it to answer the question that follows.



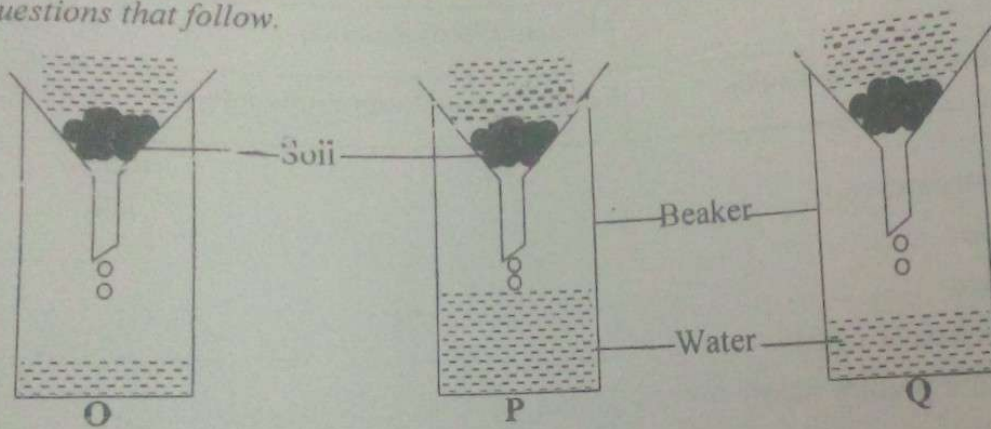
35. What is the function of the part marked N on a VIP latrine?
36. How do clouds reduce temperatures in the environment?



37. Why are electro magnets called temporary magnets?
38. Which immunisable disease shows chronic cough, loss of body weight and persistent fever?
39. Write down any one exotic breed of rabbits.
40. Name any one content of a first aid box.

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

The diagram below shows an experiment about soil. Study and use it to answer questions that follow.



41. (a) Name the types of soil used in experiment;
- (i) O .....
- (ii) P .....
- (b) What does the experiment show about soil?
- (c) Why does water drain through the soil in experiment P faster than Q?
42. (a) Where does fertilization take place in the human reproductive system?
- (b) Write down any two signs of pregnancy among human beings.
- (i) .....
- (ii) .....
- (c) What is the function of semen in the human reproductive system?
43. (a) What is the role of soap when washing clothes?



(b) Give any two reasons for washing clothes.

(i).....

(ii).....

(c) Apart from washing clothes, write down any one way of keeping the human body clean.

(i).....

(ii).....

44. Match parts of the human ear to their functions correctly.

	Part (s)	Function (s)
(i)	Auditory nerve	Amplify sound vibrations
(ii)	Ossicles	Transmits sound impulses to the brain
(iii)	Cochlea	Maintains body balance
(iv)	Semi-circular canals	Converts sound vibrations into nerve impulses

(i) Auditory nerve .....

(ii) Ossicles .....

(iii) Cochlea .....

(iv) Semi-circular canals .....

45. (a) What are poultry vices?

(b) Write down any two examples of poultry vices.

(i).....

(ii).....

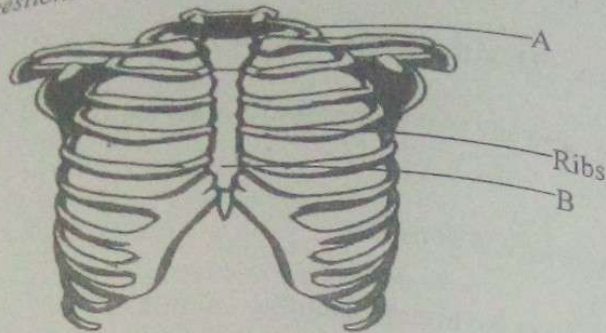
(c) Give any one way of preventing vices among poultry.

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

Classes of mammals	Examples	Features
(i).....	Monkey	Well developed brain
Monotremes	(ii).....	Lay eggs
(iii).....	Whales	Have blubber
Carnivores	Lions	(iv).....



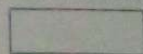
The diagram below shows the part of human skeleton. Study and use it to answer questions that follow.



47. (a) Name the part of the human skeleton marked:
- (i) **A** .....
- (ii) **B** .....
- (b) Mention any two delicate organs of the human body protected by the skeleton.
- (i) .....
- (ii) .....

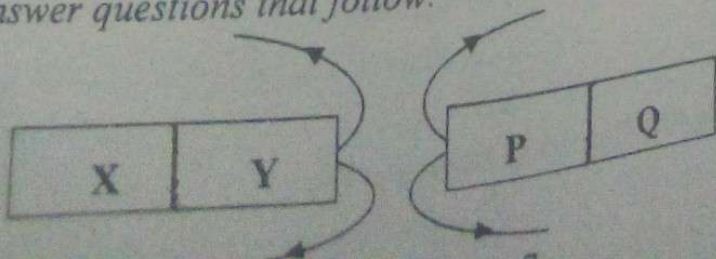
48. (a) What is the use of windmills in the environment?
- (b) Give any two ways human beings use wind as a resource.
- (i) .....
- (ii) .....
- (c) Apart from wind, name any one non living resource in the environment.

49. (a) Why is flue called an infectious disease?
- (b) Name any two ways infectious diseases spread among human beings?
- (i) .....
- (ii) .....
- (c) Give a reason why viral diseases are said to be more dangerous to human beings.



50. (a) How does water facilitate decomposition of organic matter?
- (b) Name any two organisms which help in the decomposition process.
- (i) .....
- (ii) .....
- (c) Give any one benefit of decomposition in the environment.

The diagram below shows two magnets brought closer to each other. Study and use it to answer questions that follow.



Turn Over



51. (a) Which property of magnets is shown above?  
.....  
(b) Name the pole of magnets marked Q on the diagram above.  
.....  
(c) Apart from the above property, give any two properties of magnets.  
(i).....  
(ii).....
52. (a) Why do cattle farmers keep dairy breeds of cattle?  
.....  
(b) Which breed of dairy cattle produces the highest quantity of milk?  
.....  
(c) Write down any two characteristics of dairy breeds of cattle.  
(i).....  
(ii).....

The diagram below shows a seed dispersal. Study and use it to answer questions that follow.

53. (a) Which mechanism of seed dispersal is shown above?  
.....  
(b) Give any two seeds dispersed as shown above.  
(i).....  
(ii).....  
(c) Why are the seeds named in (b) above able to be dispersed as shown in the diagram above?  
.....
54. (a) Why do crop farmers till the land before planting?  
.....  
(b) Apart from tillage, give any two activities done to prepare land for farming.  
(i).....  
(ii).....  
(c) State the benefit of seed selection in crop farming.  
.....
55. (a) Write down any two causes of alcoholism in the society.  
(i).....  
(ii).....  
(b) Give any two ways of reducing alcoholism in the society.  
(i).....  
(ii).....