

STEM EXAMINATIONS BOARD

PRIMARY SEVEN ASSESSMENT SET VII, 2025

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. 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 drawings 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.

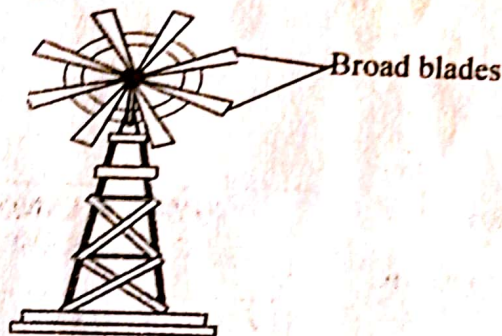
FOR EXAMINERS' USE ONLY		
Qn. No.	Marks	EXR'S NO.
1- 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. Why do mosquitoes suck blood from the human body?
.....
2. Give any one way pests reduce the quality of crop produce.
.....
3. How does oxygen facilitate germination of seeds?
.....
4. Why is the ileum able to absorb more digested food in the human body?
.....

The diagram below shows an instrument used to generate energy. Study and use it to answer questions 5 and 6.



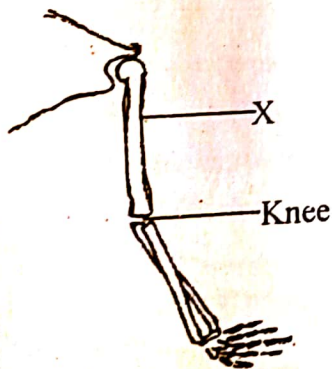
5. Name the instrument shown in the diagram above.
.....
6. Give any one use of the above instrument in the environment.
.....
7. Which force reduces the weight of objects in water?
.....
8. Why do human beings put on white light clothes on a sunny day?
.....
9. State any one way white blood cells protect the human body against disease germs.
.....
10. How do rabbit farmers ensure proper drainage of wastes in a hutch?
.....

The diagrams below show an organism in the environment. Study and use them to answer questions 11 and 12.



11. Name the group of vertebrates to which the above organisms belong.
.....
12. How does organism S promote human health?
.....
13. Why does water easily flow when poured on the ground?
.....
14. How does ironing of bed sheets improve human health?
.....
15. State the reason why poultry farmers mix mash with grit.
.....
16. Give any one way application of organic manure improves the fertility of the soil.
.....
17. Write down any one factor a farmer considers when selecting a place for a hive.
.....
18. What causes sneezing in the human body?
.....
19. How does use of properly insulated wires ensure safety of electricity users?
.....
20. How does sun drying keep harvested crops safe for a long time?
.....

The diagram below shows part of the human skeleton. *Study and use it to answer questions 21 and 22.*



21. Name the bone marked X in the diagram above.
.....
22. Give any one use of bones in the human body.
.....
23. How do farmers improve on the quality of their local goats?
.....
24. State any one way proteins build the body.
.....
25. How does fencing keep water clean at the source?
.....

Turn Over

26. Why do health workers always keep vaccines in refrigerated facilities?
.....
 27. Give any one way bacteria keeps the environment clean.
.....
 28. State the danger of eating too much sugary foods to the human teeth.
.....
 29. Which type of cattle is used for ploughing in crop gardens?
.....
 30. What is the use of flash disc to a musician?
.....
 31. Why do engineers put a screen on top of a vent pipe when constructing VIP latrines?
.....
 32. Give any one way too much rainfall causes food shortage in the environment.
.....
- Moses wanted to make the solution using the following items. Salt, water and stick.**
33. How would he ensure complete dissolution of salt in water?
.....
 34. How are pine plants similar to pumpkins in their way of reproduction?
.....

The diagram below shows a body injury. *Study and use it to answer questions 35 and 36.*



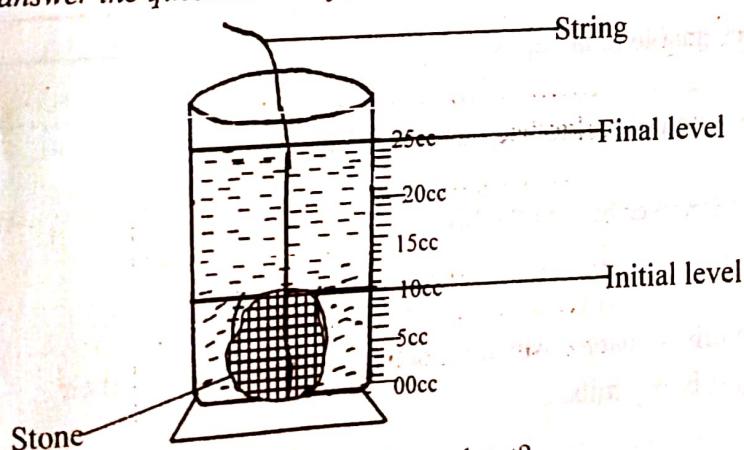
35. What causes the injury shown in the diagram above?
.....
36. Give any one way of preventing the infection of the wound incase of the above injury.
.....
37. Why is a razorblade attracted by any pole of the magnet?
.....
38. Which health guideline enables pregnant mothers to access maternal care services?
.....
39. Write down any one adaptation of tuber crop pests.
.....
40. How is the pinna adapted to trapping sound waves in the environment?
.....

SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each.)

41. (a) How do alloys make metallic objects durable?
.....
(b) Apart from making alloys, give any two ways of conserving mineral resources in the environment.
(i).....
(ii).....
(c) Mention one fuel used for running car engines.
.....
42. (a) Why is respiration not regarded as a biological change yet it occurs in living things?
.....
(b) Give any two similarities between chemical changes and biological changes.
(i).....
(ii).....
(c) How do biological changes ensure continuous life in the environment?
.....
43. (a) What is the danger of taking under dose during treatment?
.....
(b) Give any two causes of under dose among patients.
(i).....
(ii).....
(c) State any one way patients can properly use drugs during treatment.
.....

The diagram below shows an experiment carried out in a class. *Study and use it to answer the questions that follow.*



44. (a) What is the experiment above about?
.....
(b) How does the string contribute to the successful results in the experiment?
.....

Turn Over

(c) Calculate the density of the stone if its mass is 75g.

(02 marks)

45. (a) What happens when a mature ovum is not fertilized in the human body?

(b) Why does a pregnant woman develop nausea?

(c) Give any two ways of caring for a pregnant woman.

(i).....

(ii).....

The diagrams below show common seeds. Study and use them to answer the questions that follow.

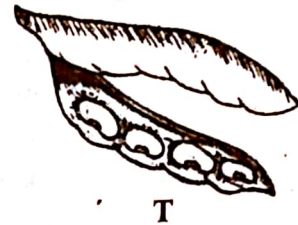
Cut guava



Black jack



Open pod



46. (a) Why do seeds in diagram T easily leave their parent plants by explosion?

(b) How is the seed in R similar to seed in S in terms of dispersal?

(c) Give any two adaptations of seeds marked R to animal dispersal.

(i).....

(ii).....

47. (a) Why are worker bees unable to lay eggs?

(b) State the importance of a pollen basket to a worker bee.

(c) Give any two roles of worker bees in the hive.

(i).....

(ii).....

48. (a) Name the method of raising babies which involves suckling babies on their mother's breasts to get breast milk.

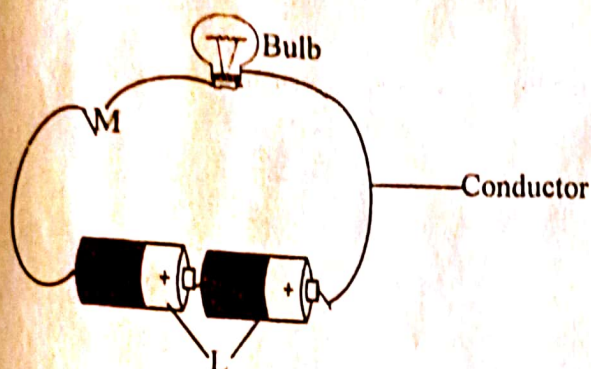
(b) Give any two benefits of suckling babies on their mother's breasts to the mother.

(i).....

(ii).....

(c) How can breast milk production be increased in breastfeeding mothers?

The diagram below shows a simple electric circuit. Study and use it to answer the questions that follow.



49. (a) Name the parts marked;

(i) L

(ii) M

(b) What is the function of the conductor in the above circuit?

(c) How can one increase the amount of electricity produced by part L in the circuit?

50. (a) What causes fainting among human beings?

(b) Why should a first aider control bystanders when administering first aid for fainting?

(c) Apart from controlling bystanders, give any two ways of saving the life of a fainting casualty.

(i)

(ii)

51. (a) Why do we cover wood prepared for burning charcoal?

(b) What would happen if wood is burnt in excess oxygen?

(c) Give any two uses of wood fuel at home.

(i)

(ii)

Use the table below to answer the questions that follow.

A	B
Neck vertebra	Suture joint
Elbow	Hinge joint
Pelvis	Plane joint
Ankle	

52 (a) Name the part of the human skeleton where suture joints are found

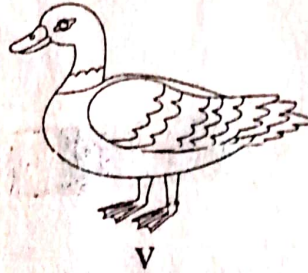
(b) How is suture joint different from Hinge joint in the human body?

(c) Give any two conditions which may make joints fail to function properly.

(i).....

(ii).....

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



53. (a) Name the group of birds to which bird marked V belongs.

(b) State the benefit of webbed feet to the bird marked V.

(c) Give two adaptations of bird marked U to its mode of feeding.

(i).....

(ii).....

54. Match activities with their purposes correctly.

	Activities	Purpose (s)
(i)	Soaking	Prevents staining of clothes
(ii)	Sorting	Removes soap lather from washed clothes
(iii)	Wringing	Removes water from washed clothes
(iv)	Rinsing	Makes washing easy

(i) Soaking

(ii) Sorting

(iii) Wringing

(iv) Rinsing

55. You are provided with the following materials;

salt, boiled water, sugar, spoon, cup.

Describe how you would prepare Oral Rehydration Solution (ORS) locally using the above materials.

(i).....

(ii).....

(iii).....

(iv).....

END