

# STEM EXAMINATIONS BOARD

## PRIMARY SEVEN ASSESSMENT SET IX, 2023

### INTEGRATED SCIENCE MOCK

*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.

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

SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. Give one reason why people keep donkeys.

.....

2. Why do farmers sort seeds before sowing?

.....

3. Write down one danger of poor personal hygiene to human health.

.....

4. What happens when a stone is dropped in a basin full of water?

.....

5. State the function of the finger-like projections in the ileum.

.....

6. Why is HIV/AIDS said to be more dangerous than diarrhoea?

.....

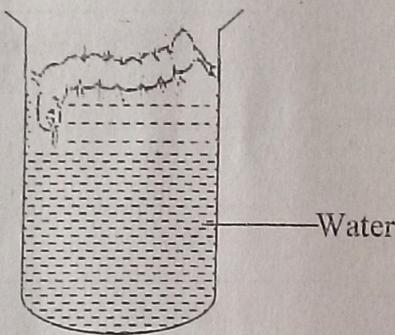
7. Give one way of managing a rainy weather.

.....

8. How does leaching lead to soil exhaustion?

.....

The diagram below shows a stage in the lifecycle of a mosquito. Study and use it to answer the question that follows.



9. Name the stage shown in the diagram above.

.....

10. Why are molecules in gaseous matter able to move freely?

.....

11. How can one recover iron pieces from flour?

.....

12. Give one way of controlling houseflies in a home.

.....

13. Which component of blood defends the body against diseases?

.....

14. Name one garden tool used for preparing the land for crop growing.

.....

15. Give one way accidents affect the human body.

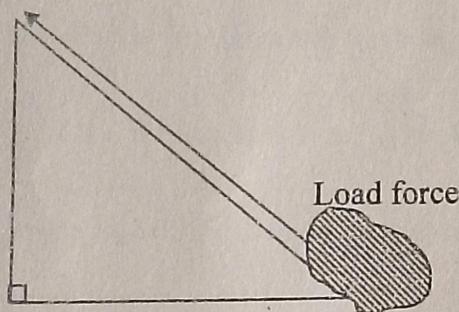
16. How do animals benefit from echoes in the environment?

17. Which system of a flowering plant grows above the ground?

18. How can you save the life of an individual shocked by electricity?

19. Where does respiration take place in the human body?

The diagram below is of an inclined plane. *Study and use it to answer the question that follows.*



20. How can one use less effort when using the machine in the diagram above?

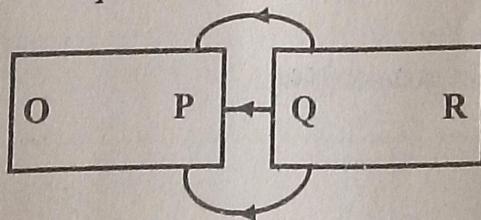
21. Name any one disease which affects rabbits.

22. Why is pruning trees in agroforestry carried out at the beginning of a rainy season?

23. How is a spiny ant eater similar to a duck in the way they reproduce?

24. Give a reason why a First Aider should avoid bystanders in case of fainting.

The diagram below shows two bar magnets brought close to each other. *Study and use it to answer questions 25 and 26.*



25. Which property of magnets is illustrated in the diagram above?

26. Name the pole marked P on the diagram above.

.....

27. Which system of keeping poultry do farmers in rural areas commonly use?

.....

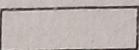
28. Name the furthest type of clouds in the sky.

.....

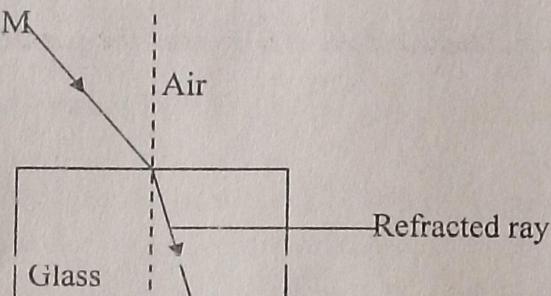
29. Give one danger of bush burning in the environment.

.....

30. How does breastfeeding help in child spacing in some women?



The diagram below shows a ray of light travelling from air to glass. *Study and use it to answer questions 31 and 32.*



31. Name the ray of light marked M.

.....

32. Why does the refracted ray bend towards the normal as shown above?

.....

33. Which type of bees looks after the queen and the brood?

.....

34. Give one vaccine administered into the human body by injection.

.....

35. Write down one principle which guides Primary Health Care (PHC) activities.

.....

36. Why are cardiac muscles called involuntary muscles?

.....

37. State the danger of taking less drugs than the amount prescribed by a health worker.

.....

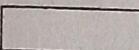
38. How is retina similar to film in terms of function?

.....

39. Give one danger of tethering method as used in goat keeping.

.....

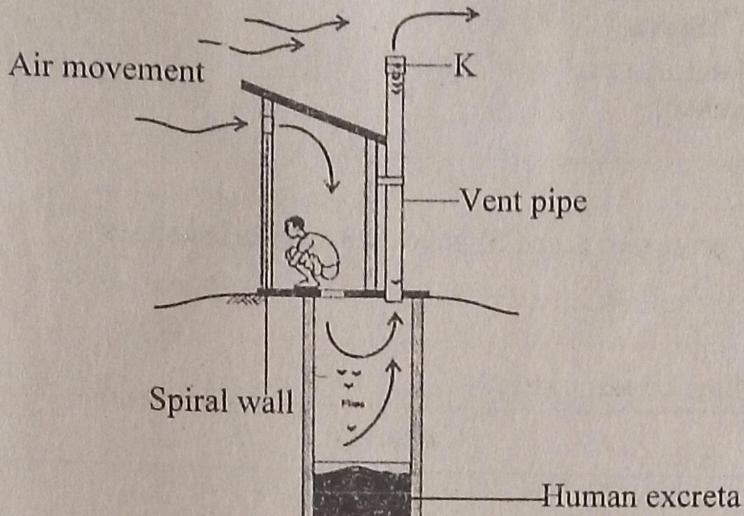
40. Name one skin disease among human beings.



**SECTION B: 60 MARKS**

(Questions 41 to 55 carry four marks each.)

The diagram below shows a health facility. Study and use it to answer questions that follow.



41. (a) Name the facility shown in the diagram above.

.....  
(b) Why is the facility named in (a) above said to be improved?

.....  
(c) Give the role of the following parts in the use of the facility named above;

(i) K.

.....  
(ii) Spiral wall.

42. (a) What happens when vocal cords in human beings vibrate?

.....  
(b) Why do shorter strings of a guitar produce high pitched sound?

.....  
(c) Give two factors which determine the pitch of sound.

(i).....

(ii).....

43. (a) Why is coal called a fuel?

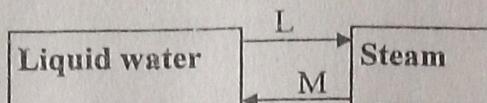
.....  
(b) Name the source of energy made from bees wax.

.....  
(c) Give two petroleum products.

(i).....

(ii).....

The illustration below shows changes in the states of matter. Study and use it to answer questions that follow.



44. (a) Name the processes marked;
- (i) L .....
- (ii) M .....
- (b) Give two reasons why processes L and M are called physical changes.
- (i).....
- (ii).....
45. Match cattle diseases with their causes correctly.

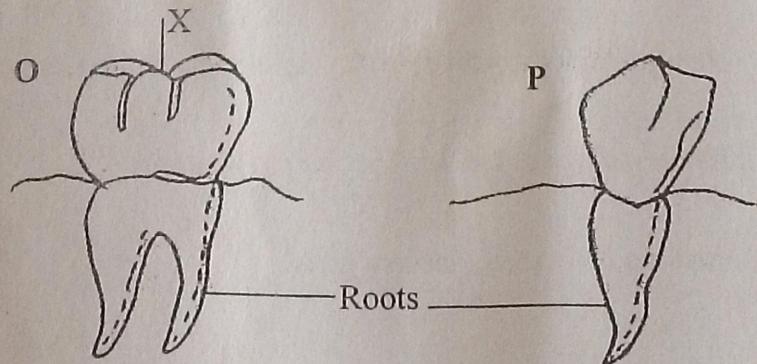
	Disease (s)	Cause (s)
(i)	Rinder pest	Trypanosome
(ii)	Anthrax	Protozoa
(iii)	East coast fever	Virus
(iv)	Nagana	Bacilli

- (i) Rinder .....
- (ii) Anthrax .....
- (iii) East coast fever .....
- (iv) Nagana .....
46. (a) Give two reasons why guava seeds are easily dispersed by animals.
- (i).....
- (ii).....
- (b) Apart from animals, give two other agents of seed dispersal.
- (i).....
- (ii).....
47. (a) Why is wind said to be an energy resource?  
.....
- (b) Give two ways wind is used as an energy resource.
- (i).....
- (ii).....
- (c) Which energy resource is got from fast flowing water?  
.....
48. (a) Name the object which uses heat to promote personal hygiene.  
.....
- (b) What is the use of the object named in (a) above?  
.....

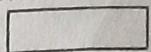
- (c) Give two uses of heat in the environment.
- (i).....
- (ii).....
49. (a) Name the process of replacing the lost fluids and mineral salts in the human body.
- .....
- (b) Why does a person suffering from dysentery become dehydrated?
- .....
- (c) Apart from dysentery, give two diseases which lead to dehydration in the human body.
- (i).....
- (ii).....
50. (a) Name the best method used to prepare safe water for drinking.
- .....
- (b) Why is distilled water not good for drinking?
- .....
- (c) Give two disadvantages of treating water using chemicals.
- (i).....
- (ii).....
51. The table below shows parts of an electric bell and their uses. *Fill in the missing information.*

	Part(s)	Use(s)
(i)	Hammer	.....
(ii)	.....	Attracts the support of the hammer
(iii)	Batteries	.....
(iv)	.....	Produces sound

The diagrams below show the human teeth. *Study and use them to answer questions that follow.*

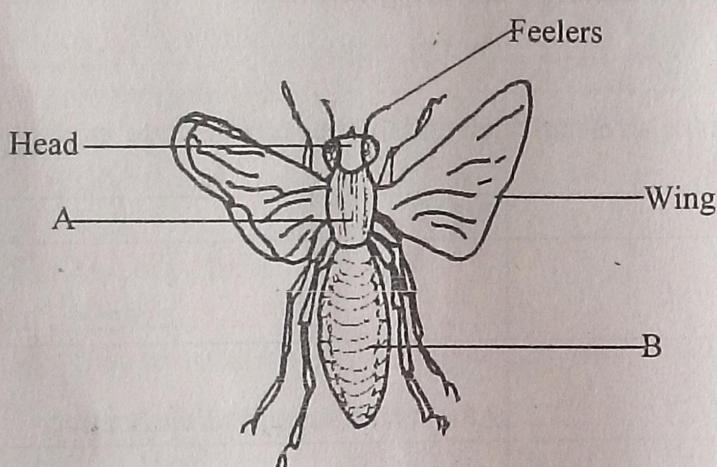


52. (a) Name the types of teeth marked;
- (i) O .....
- (ii) P .....
- (b) How are the structures marked X on tooth O important?  
.....
- (c) Name the part which holds the tooth into the jaw.  
.....

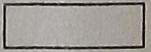


53. (a) Which food nutrient is lacking in babies suffering from scurvy?  
.....
- (b) What advice can you give to a mother whose babies are suffering from scurvy?  
.....
- (c) Give two food materials which prevent scurvy in human beings.
- (i) .....
- (ii) .....

The diagram below shows an insect. Study and use it to answer questions that follow.



54. (a) Name the parts of an insect marked;
- (i) A .....
- (ii) B .....
- (b) Give two uses of feelers to an insect.
- (i) .....
- (ii) .....
55. (a) Which type of body changes show sexual maturity among human beings.  
.....
- (b) Why are girls of child bearing age at a risk of becoming anaemic?  
.....
- (c) Give two signs of sexual maturity in adolescent girls.
- (i) .....
- (ii) .....



END