



THE MILESTONE EXAMINATIONS 2024

P.7 SET I TERM II

INTEGRATED SCIENCE

Time allowed: 2 hour 15 minutes

Index No.

EMIS No.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Name:

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully;

1. This paper has two sections: **A** and **B**
2. Section **A** has **40** questions (**40 marks**)
3. Section **B** has **15** questions (**60 marks**)
4. Answer all questions. All the working for both sections **A** and **B** must be shown in the spaces provided.
5. All working must be done using a blue or blackball point pen or ink. Any work done in pencil will **NOT** be marked.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated "**For Examiners' use only**" and the boxes inside the question paper.

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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		

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SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Give one item used to clean our school.

2. What do we call the longest bone in the human body?

3. Name the type of electricity got from burning fossil fuels like petroleum.

4. How is the device below important on a cattle farm?



5. Give one way Mr. Musa can improve on his local breads of chicken.

6. Why do you think rabbits should be given a block of salt to lick?

7. We always see light before hearing a tremendous sound when it's raining. Why is it so?

8. What do we call the tremendous sound in (No. 7) above?

9. Besides providing protection, give one other use of the skeleton to the body.

10. State the main role of blood capillaries in the body.

11. What do you understand by the term ossification?

12. Why is a space left in a soda bottle?

13. Give one example of a perennial crop?

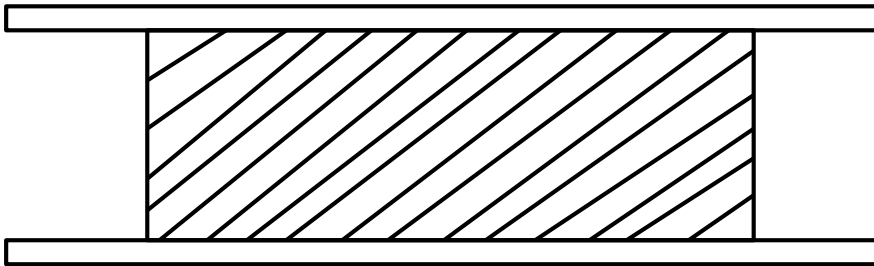
14. Mention the reason for grouping a hen under diurnal birds.

15. Why is it not advisable to pour chemicals in a pit latrine?

16. Name the type of alcohol that causes blindness in contact with the eye?

17. How are eggs able to carry out gaseous exchange?

Use the tool below to answer questions 18 and 19.



18. Name the tool above.

19. How is it important to a first aider?

20. What is the main cause of partial deafness in human beings?

21. Give one example of a renewable resource.

22. Name one magnet that exists on its own.

23. Which mineral energy resource is used to make atomic weapons?

24. How do white blood cells fight with germs in the body?

25. What is the notable difference between a burn and a scald?

26. Give one way people misuse drugs.

27. How can one make filtered water safe for drinking?

28. Name the commercial system of keeping poultry.

29. An octopus is an invertebrate. To which group of vertebrates does it belong?

30. Define the term ligament.

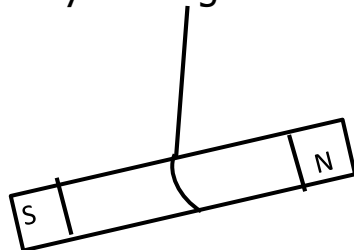
31. Give one waterborne disease of the skeleton.

32. Why do farmers cook food in covered containers?

33. Give one way of making use of a force called friction.

34. State one adaptation of houseflies to carrying germs.

35. Name the property of magnets illustrated below.



36. Why can't sound travel through a vacuum?

37. Name the breathing organs of a cockroach.

38. Why are biceps and triceps referred to as antagonistic muscles?

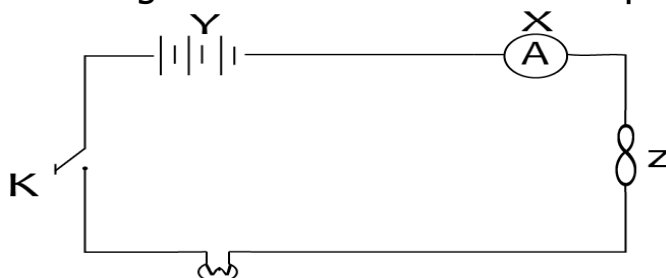
39. What do hookworms feed on in the body?

40. State the main cause of a short circuit.

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. Study and use the diagram below to answer the questions that follow?



a) Name the parts:

(i) Y _____

(ii) X _____

b) How is part K similar to part Z in terms of function.

c) State the energy change that takes place in part Y when the circuit is complete.

42. (a) Give 2 properties of magnesium.

(b) What do we call magnets made using electricity?

(c) Give one proper way of storing magnets.

43. (a) State 2 ways of acquiring natural immunity.

(b) Name the blood cells that make up the body's immune system.

(c) Give one bacterial immunisable disease.

44. (a) Give one role played by joints in the body?

(b) Give 2 examples of fixed joints in the body.

(c) How are joints adapted to movements in the body?

45. (a) Name the first type of teeth in man?

(b) Mention one danger of opening bottles using teeth.

(c) Give 2 ways of promoting oral hygiene?

46. Below are heads of certain birds. Use the diagrams to answer questions that follow.



A



B

a) Name the type of birds with head A.

b) How can heat be a threat to crop farmers?

b) Give 2 examples of birds with head A.

47. a) Name two exotic breeds of goats kept for milk production.

b) Give 2 reasons for castrating male animals on a farm.

48. (a) Differentiate between "siting a hive" and "stocking a hive".

(b) Give 2 factors considered when siting a hive.

(c) Why do bees visit flowers?

49. a) Match the following parts to their protective bones.

List A

- a) Brain
- b) Lungs
- c) Ovaries
- d) Eyes

List B.

- Pelvis
- Orbits
- Skull
- Ribs

- a) Brain _____
- b) Lungs _____
- c) Ovaries _____
- d) Eyes _____

50. a) When is dew formed?

b) Give a reason for your answer in (a) above.

c) Give 2 physical processes involved in a water cycle.

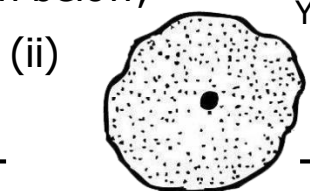
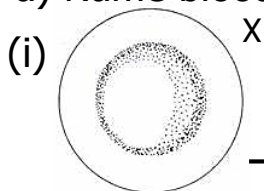
51. a) Where does each of the following processes occur un a woman;

(i) Fertilization? _____

(ii) Implantation? _____

b) Give two disorders of the male reproductive system.

52. a) Name blood components drawn below;



b) How useful is blood component X?

c) Name one disease that greatly destroys blood component Y.

53. a) How useful are the following parts of a VIP latrine;

(i) screen? _____

(ii) vent pipe? _____

(iii) spiral wall? _____

b) Name the vehicle used to empty full latrines.

54. a) Give 2 food taboos you know.

b) How are food taboos important?

c) State the danger of food taboos to our lives.

55. a) State 2 advantages of using clay charcoal saving stoves.

b) How is the use of biogas friendly to the environment?

c) Mention one example of a liquid fossil fuel.

END