

**MITYANA DISTRICT PRIMARY SCHOOLS
HEAD TEACHERS ASSOCIATIONS
PRIMARY LEAVING MOCK EXAMINATIONS 2024
INTEGRATED SCIENCE**

Time allowed: 2 hours 15 minutes

Random No.	Personal No.
Index No.	
Candidate's Name:	
Candidate's signature:	
School:	
District:	

**READ THE FOLLOWING INSTRUCTIONS
CAREFULLY:**

1. This paper has two sections: **A** and **B**.
 2. Section **A** has **20** questions (**40 Marks**).
 3. Section **B** has **15** questions (**60 Marks**).
 4. Attempt all questions in both sections. All answers to both sections **A** and **B**. must be written in the spaces provided.
 5. All answers must be written in blue or black ball point pens or *ink*. Only diagrams and graph work must be done in *pencil*.
 6. Unnecessary *alteration* of work will lead to loss of marks.
 7. Any *handwriting* that cannot be easily read may lead to loss of marks.
 8. Do not fill anything in the boxes indicated:

"FOR EXAMINER'S USE ONLY"

For Examiner's Use Only;

Qn.No.	MARKS	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 53		
53 - 55		
Total		

Please turn over

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

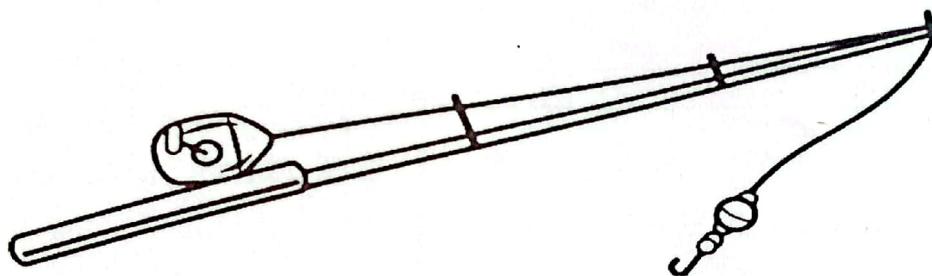
1. Name the element of weather measured using the barometer.

2. State any **one** importance of water in the human body.

3. In which state of matter does heat travel through conduction?

4. Give **one** way white blood cells fight germs in the human body.

The diagram below shows a simple machine. Study and use it to answer questions 5 and 6.



5. Name the class of levers to which the simple machine shown above belongs.

6. With the help of an arrow and letter L, show the direction of the load on the diagram.

7. Which component of air is used for making nitrate fertilisers?

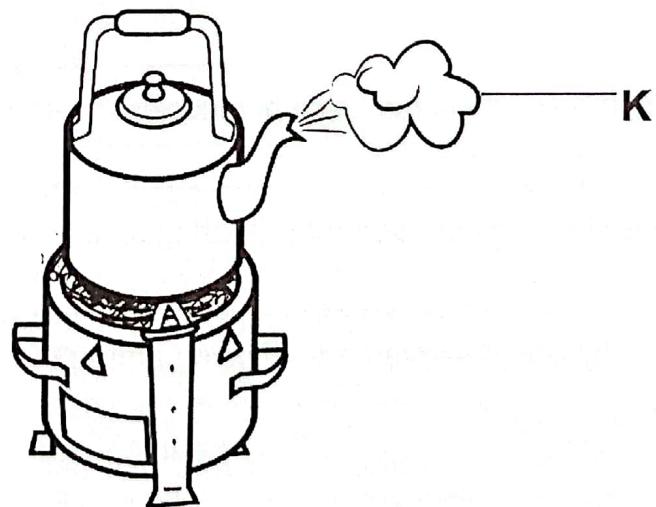
8. Name any **one** disease caused by poor oral hygiene.

9. State the type of pollination that occurs in plants with single sexed flowers.

10. How are enzymes useful during digestion of food?

11. Name any **one** example of a stem tuber.
-
12. Which domestic animal helps to control rats in a home?
-
13. Mention any **one** way family members can care for a pregnant mother in a home.
-
14. Name any **one** exotic dairy breed of cattle.
-
15. How can a person increase the pitch of sound produced by a guitar?
-
16. How does ironing of clothes control the spread of skin diseases?
-
17. State any **one** advantage of a nursery bed in a tree growing project.
-
18. Which group of non-flowering plants reproduces in the same way as legumes?
-
19. How is fertilisation in birds similar to that in reptiles?
-

The diagram below is of water boiling in a kettle. Study and use it to answer the question 20.



20. Name the type of change taking place at letter K.
-

21. How is polio vaccine different from BCG vaccine in the way they are administered to a newly born baby?

22. State any **one** reason why farmers dock their male sheep.

23. How does sun drying help in the preservation of cereals?

24. Mention **one** activity done in a home to destroy breeding places for mosquitoes.

25. Which body sense enables a cook to detect the amount of salt in food during preparation?

26. State the importance of splints when giving first aid to a fractured victim.

27. Name **one** animal product used for making biogas.

28. Mention any **one** importance of muscles in our bodies.

29. Why is filtration not used for preparing safe drinking water?

30. State any **one** disadvantage of using artificial fertilisers for a long time in a garden.

31. Write the danger of covering the hole of a VIP latrine.

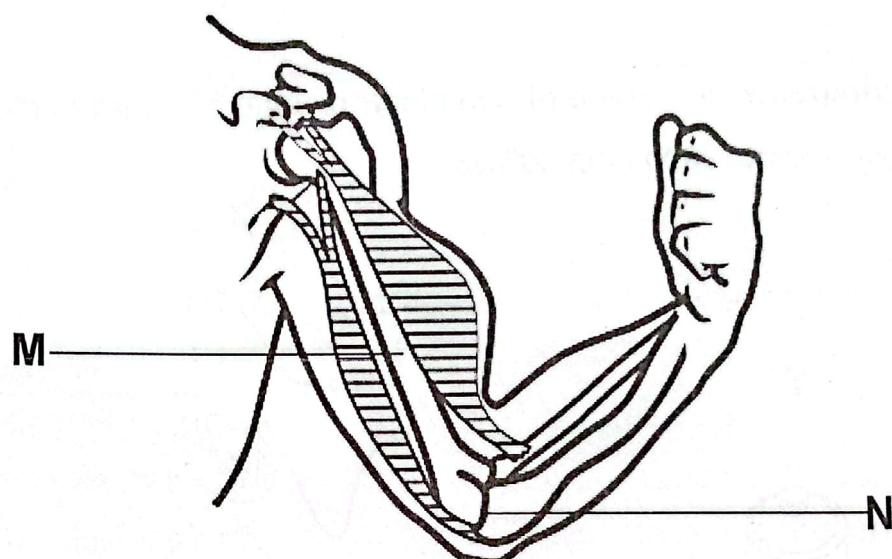
32. Why does the weight of a stone reduce when placed in water?

33. Name the type of soil with large and rough particles.

34. Which type of electricity is got after rubbing insulators?

35. State the property of magnets on which a compass needle operates.

The diagram below is of a joint located in the human arm. Study and use it to answer questions 36 and 37.



36. Name the bone marked with letter M.

37. Why is joint marked N grouped under hinge joints?

38. State any one importance of keeping records on a rabbit farm.

39. Give any one use of plants as energy resources.

40. How are bees similar to wasps in the way they protect themselves from enemies?

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41(a) Give any two causes of drug abuse among adolescents.

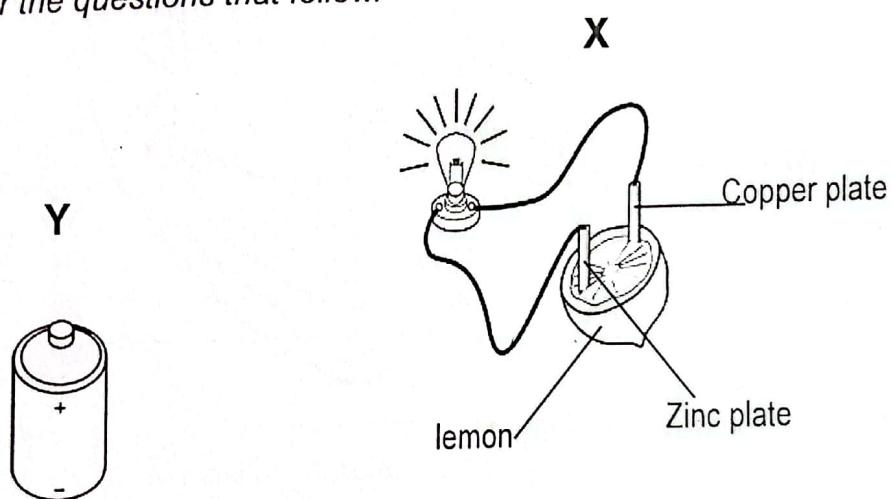
(i) _____

(ii) _____

(b) State any one danger of drug abuse in adolescents.

(c) Mention any one lifeskill that can protect youths from dangers of drug abuse.

42. The diagrams below are of two electric cells. Study and use them to answer the questions that follow.



(a) Name the electric cells marked X and Y.

(i) X: _____

(ii) Y: _____

(b) Which form of current electricity is produced by the above cells?

(c) Give one advantage of electric cell Y over electric cell X.

43(a) Name the **two** classes of vertebrates that undergo external fertilisation.

- (i) _____
(ii) _____

(b) How do the groups of vertebrates mentioned in (a) above reproduce?

(c) State any **one** way of conserving aquatic animals.

44(a) Name **two** examples of fossil fuels.

- (i) _____
(ii) _____

(b) Mention any **one** use of fossil fuels as energy resources.

(c) State **one** way of conserving fossil fuels.

45(a) Name the type of weather that enables crop farmers to;

- (i) winnow seeds _____
(ii) preserve their harvests _____

(b) Which weather instrument at a weather station measures the amount of rainfall received?

(c) How is the weather forecast important to a crop farmer?

46(a) Name the natural fertilisers obtained from animal dung and urine.

(b) Mention any **two** advantages of using natural fertilisers.

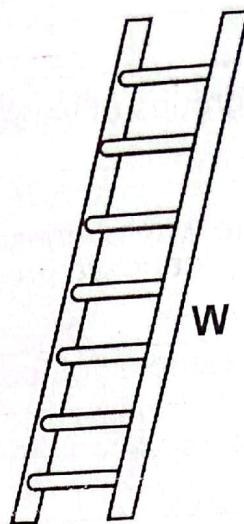
- (i) _____
(ii) _____

(c) Give **one** way people pollute the soil.

47. The diagrams below are of two simple machines. Study and use them to answer the questions that follow.



V



W

(a) To which group of simple machines do machines V and W belong?

(i) V _____

(ii) W _____

(b) State any one use of machine W to builders.

(c) How best can machine W be modified to simplify the work of a builder?

48(a) Name the component of air needed by the body for respiration.

(b) Briefly explain what happens to the lungs and ribs when we breathe in.

(i) lungs: _____

(ii) ribs: _____

(c) State any one danger of tobacco smoking to the respiratory system.

49(a) State any two reasons why farmers prune their crops.

(i) _____

(ii) _____

(b) Mention two garden tools farmers can use for pruning their crops.

(i) _____

(ii) _____

50(a) Mention any **two** diseases spread through bathing with contaminated water.

- (i) _____
(ii) _____

(b) State any **two** activities a community can do to keep a water source clean.

- (i) _____
(ii) _____

51(a) Name **one** reproductive process that takes place in the;

- (i) uterus _____
(ii) oviduct _____

(b) Mention any **two** secondary sex characteristics that occur in both boys and girls.

- (i) _____
(ii) _____

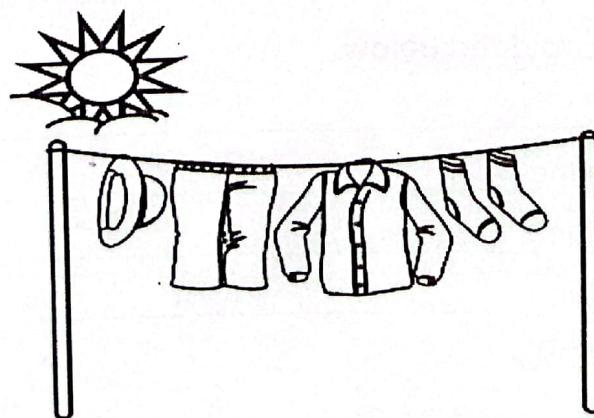
52(a) Mention any **two** products got from rearing cattle.

- (i) _____
(ii) _____

(b) How is the use of a lactometer different from that of a strip cup on a dairy farm?

(c) Name any **one** cattle disease caused by a virus.

53. Below is a diagram showing a method of heat transfer. Study and use it to answer the questions that follow.



(a) Name the method of heat transfer shown above.

(b) Apart from the one shown above, give another importance of the method of heat transfer shown in the diagram above.

(c) State **two** effects of heat gain in metals.

- (i) _____
(ii) _____

54(a) State **two** roles of the tongue during digestion.

- (i) _____
(ii) _____

(b) Give **two** ways of caring for the digestive system.

- (i) _____
(ii) _____

55. In the table below, part P shows the elements of PHC. Part Q shows the importance of the elements in our daily life in their wrong order.

P: Element	Q: Importance
(i) Immunisation	Checks on the population size
(ii) Personal hygiene	Controls death of infants.
(iii) Family planning	Controls skin diseases and bad body smell.
(iv) Health education	Teaches people good health life styles.

Select from the table the correct importance of the elements and write in the space provided below.

- (i) Immunisation _____
(ii) Personal hygiene _____
(iii) Family planning _____
(iv) Health education _____