

MITYANA DISTRICT PRIMARY SCHOOLS' ACADEMIC BOARD
PRIMARY LEAVING MOCK EXAMINATIONS

2025

INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

RANDOM NO.						PERSONAL NO.		

Candidate's Name:.....

Candidate's Signature:.....

Read the following instructions carefully:

1. Do not write your **school name** anywhere on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions (**40 Marks**) and Section **B** has **15** questions (**60 Marks**). The paper has **15 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 pens or **ink**. Any answer or work written in pencil other than drawings will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss** of marks.
6. Do not fill anything in the table indicated: "**For examiner's use only**" and boxes inside the question paper.

For Examiner's 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		

Turn Over

SECTION A: 40 MARKS

Questions 1 to 40 carry **one** mark each.

1. Which **raw** material do plants get from the atmosphere during photosynthesis?
.....
2. Why is it advisable to cook from raised places at home?
.....
3. Give any **one** way poultry farmers can increase warmth in a poultry house.
.....
4. State **one** way a child health card is important to a parent.
.....
5. How is food and nutrition important as an element of Primary Health Care?
.....
6. How does a bee and a sunflower plant benefit from each other?
.....

The diagram below shows a drug prescribed for a child. Study and use it to answer questions 7 and 8.



7. How many millilitres of the syrup is the child supposed to take a day?

.....

8. Why do health workers prescribe drugs as shown above?

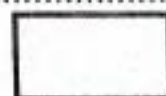
.....

9. How does a wood lot help to control air pollution in the environment?

.....

10. Why is Hepatitis B said to be a communicable disease?

.....



11. Why do the cotyledons of a bean seed turn green during germination?

.....

12. How does a lactometer ensure the availability of good quality milk on a dairy farm?

.....

13. Why does a person with hookworms always suffer from anaemia?

.....

14. How is heat transfer by conduction useful to a P.7 candidate in a boarding school?

.....

15. How do scavenger birds help in the promotion of sanitation?

.....

16. Which type of alcohol causes blindness when it gets into contact with the eyes?

17. In which way can clay soil be used to conserve plant resources in the environment?

The diagram below is of a compound leaf. Study and use it to answer question 18.



18. Identify the type of compound leaf drawn above.

19. How is the cause of measles similar to that of HIV/AIDS?

The diagram below shows a certain musical instrument. Study and use it to answer questions 20 and 21.



20. Name the musical instrument shown above.

21. How does the above musical instrument produce sound?

22. Name the second stage of a cockroach.

23. Why do people urinate more frequently on cold days than on hot days?

24. How does the drainage of sand soil differ from that of clay soil?

25. How is the energy from the sun harvested in the environment?

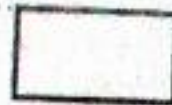
26. Why is carbon dioxide always enclosed in bottled drinks?

27. How does a farmer protect the hutch from dampness?

28. Why does a fish allow a current of water into its mouth?

29. Mention **one** other function of the stomach besides temporary storage of food.

30. Why is it good to press the belly of a near drowned victim during first aid management?



31. How can grains be prevented from rotting while in the granary?

32. Mention any **one** disease prevented by smoking a pit latrine.

33. How does the circulatory system benefit from the skeletal system?

34. State **one** reason why we should wash our hands before serving food.

35. What happens to rays of light when they fall on an opaque object?

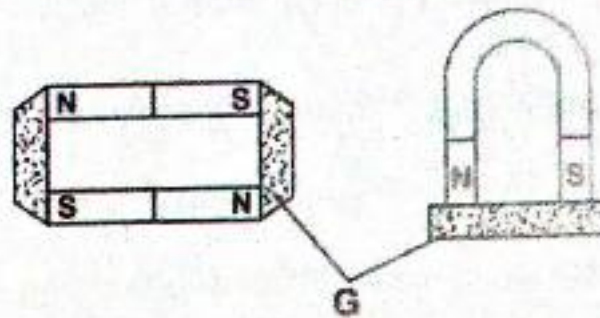
36. State any **one** way in which animals can be used as energy resource.

37. Why is carbon dioxide expelled from the body of a human being?

38. Mention **one** health lifestyle which keeps internal body organs in a good working condition.

39. How is the synovial fluid similar to grease used in machines?

The illustration below shows different magnets. Study and use it to answer question 40.



40. How do the structures marked G prevent magnets from losing magnetism?



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41(a) Apart from polio, name any other infant immunisable disease caused by a virus.

(b) Which vaccine is administered to an accident victim against tetanus?

(c) State the type of immunity the body develops when vaccines are administered.

(d) Give one method of vaccine administration into the body.

42(a) Give any **one** danger of an ant-hill that develops in a maize garden.

(b) Mention any **two** activities done to reduce termites in a maize garden.

(i)

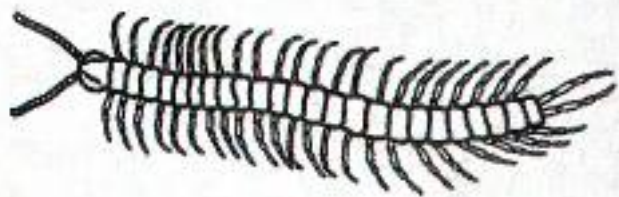
(ii)

(c) Give **one** characteristic which enables termites to rebuild their ant-hill in a short time after it's destroyed.

43. The diagram below shows two arthropods. Study and use it to answer the questions that follow.



F



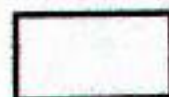
G

(a) Name the group of arthropods to which animal G belongs.

(b) How is the body structure of animal F different from that of a housefly?

(c) Which other animal can be grouped together with organism G?

(c) State **one** characteristic common in the above animals as arthropods.



44(a) Which mode of feeding prevents mother to child transmission of HIV/AIDS to babies?

(b) State **two** disadvantages of the feeding mode mentioned in (a) above.

(i)

(ii)

(c) Mention **one** condition of the mother that may lead to the application of the above feeding mode in 44(a).

45(a) Give any **two** advantages of maintaining proper personal hygiene.

(i)

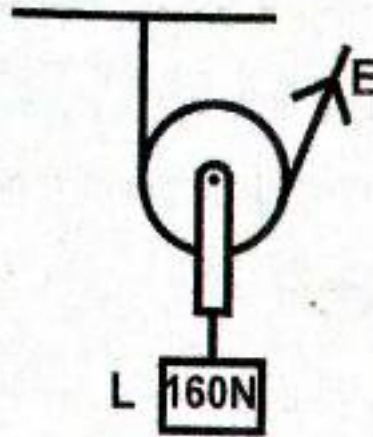
(ii)

(b) Name any **two** diseases that develop in children due to poor personal hygiene.

(i)

(ii)

46. Below is a diagram showing a type of pulley. Use it to answer the questions that follow.



- (a) Name the type of pulley drawn above.

.....

- (b) State **one** advantage of using the type of pulley drawn above for raising loads.

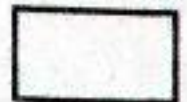
.....

- (c) How much effort can a builder apply when raising the load as given

in the diagram?

(2mks)

.....



47(a) Name the animal fibre got from sheep.

.....

(b) By which process is the animal fibre mentioned above obtained from sheep?

.....

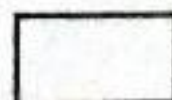
(c) Mention any **two** sheep breeds that are reared mainly for the animal fibre mentioned in (a) above.

(i)

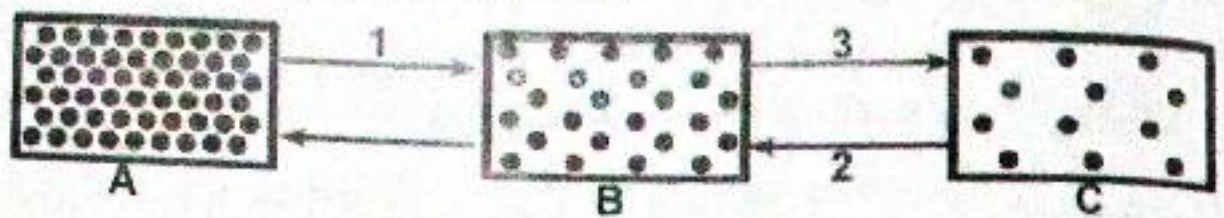
(ii)

48. The table below shows weather instruments and their uses at a weather station. Complete it correctly.

Instrument	Function
_____	measures the speed of wind
Raingauge	_____
_____	measures the amount of water vapour
Barometer	_____



49. The diagram below is of changes in states of matter. Study and use it to answer the questions that follow.



(a) Name the process named 1 and 2 on the above diagram.

- (i) 1.....
- (ii) 2.....

(b) Give any **one** way process 3 is important in the environment.

(c) How does heat pass through state of matter marked B?

50 (a) Which type of change occurs when snakes moult?

(b) Apart from the one mentioned above, mention **two** types of changes in the environment.

- (i)
- (ii)

(c) Give **one** reason why snakes moult.

51(a) Name the part of the human eye which performs the following roles:

(i) admitting light into the eyes:

(ii) focusing light onto the retina:

(b) Mention **one** eye disease caused by bacteria.

.....

(c) How does regular washing of eyes control eye diseases?

.....

52(a) Mention any **two** ways in which insect vectors spread germs

(i)

(ii)

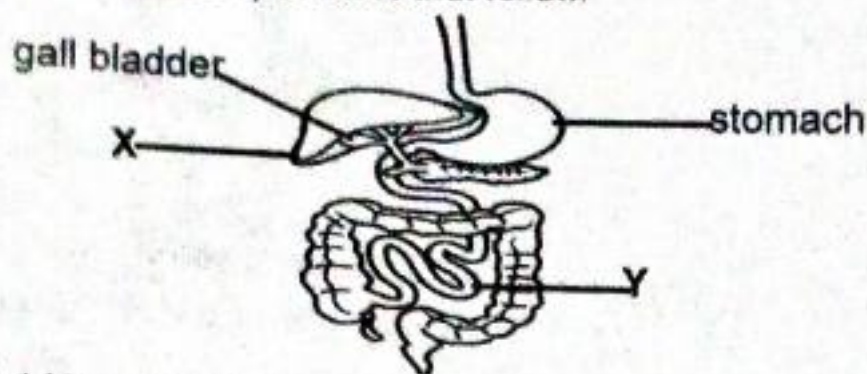
(b) State **two** activities that can be done at home to control insect vectors.

(i)

(ii)



53. The diagram below shows one of the human body systems. Use it to answer the questions that follow.



- (a) Name the body system drawn above.

- (b) Give the function of part labelled X during the digestion process.

- (c) Which digestive process takes place in part marked with letter Y?

- (d) Give any **one** disorder of the body system shown in the diagram above.

54. Adikini accidentally poured hot porridge on a friend during break time.

- (a) What type of accident did the friend get?

- (b) Mention **one** step Adikini carried out to help the injured friend.

(c) Give any **two** ways the above accident can be controlled in schools.

(i)

(ii)

55. The table below shows information collected by a school health prefect in their school dormitory. Study and use it to answer the questions that follow.

Personal hygiene items checked.

Child	Toothbrush	Bathing sponge	Comb	Soap	Body towel
Bbowe	✓	✓	✓	✓	X
Tom	✓	X	✓	X	✓
Delilah	X	✓	✓	✓	✓
Diaz	✓	✓	✓	✓	✓
Kibe	X	X	X	X	X

Key: ☒ item available

☐ item absent

(a) Who of the above children is likely to get teeth diseases and disorders?

.....

(b) Give a reason to support your answer in (a) above.

.....

(c) Which of the five children is likely to be free from any health challenges?

.....

(d) Name any **one** disease Tom is likely to get.

.....

