

**MUKONO MUNICIPALITY  
HEADTEACHERS' ASSOCIATION ACADEMIC BOARD  
MOCK EXAMINATION**

**2025**

**SCIENCE**

*Time allowed: 2 hours 15 minutes*

| Random No. |  |  |  |  | Personal No. |  |  |
|------------|--|--|--|--|--------------|--|--|
|            |  |  |  |  |              |  |  |

**Candidate's Name:** .....

**Candidate's Signature:** .....

**School Name** .....

**Read the following instructions carefully:**

1. Do not open this booklet until you are told to do so.
2. This paper has two sections A and B. Section A has 40 questions and Section B has 15 questions. The paper has 12 printed pages.
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 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 EXAMINERS' USE ONLY" and in the 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>                   |       |           |

Turn over

**SECTION A: 40 questions (40 MARKS)**

1. Mention any one example of an energy giving food.

.....

2. State one danger of poor personal hygiene to one's health.

.....

3. Give one characteristic of chemical changes.

.....

4. Why is it dangerous for people to share houses with animals?

.....

5. Mention one use of wedges to a person who operates a restaurant.

.....

6. State one characteristic that makes houseflies to be grouped under solitary insects.

.....

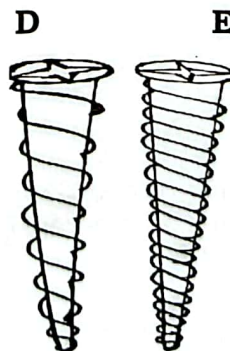
7. Mention the role played by plants in the water cycle.

.....

8. State what happens to the volume of soda in a bottle on freezing.

.....

**The diagrams below show two screw nails. Use it to answer questions 9 and 10.**



Turn over

9. Identify the screw nail that a person uses effort when fastening it.

.....

10. Give a reason for your answer in number (9) above.

.....



11. What advice can you give to the youth in your community in order to avoid alcoholism?

.....

12. Which practice involves growing of crops and rearing of animals on the same piece of land at the same time?

.....

13. State one danger of leaching in crop growing.

.....

14. Give one way in which electricity helps to control accidents on the roads.

.....

15. Mention the name given to currents which help in the boiling of water.

.....

16. In which way is the human heart able to prevent oxygenated blood from mixing with deoxygenated blood?

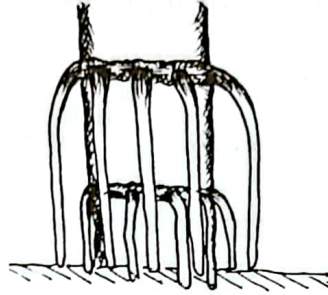
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17. State the importance of the space left in a biogas digester when putting in wastes to produce biogas.

.....

Turn over

Use the diagram of roots below to answer questions 18 and 19.



18. Name the type of roots under which the ones shown in the diagram above belong.

.....

19. State the stage of growth when plants develop the roots shown in the diagram above.

.....

20. Give one proper way of handling cutting tools to avoid injuries from them.

.....

21. Mention the collective name given to the organs; lungs, skin and the kidneys.



.....

22. Why would you advise your fellow pupils to do regular physical exercises?

.....

23. State one importance of weather forecasting to a crop farmer.

.....

24. Write one use of plant fibers to people.

.....

Turn over

25. Which type of soil erosion is prevented by putting gutters on the roof of a house ?

.....

26. Apart from a lightning conductor, mention another device used to guard against the dangers of lightning.

.....

**The diagram below shows a renewable energy resource. Use it to answer questions 27 and 28.**



27. Identify the energy resource shown in the diagram.

.....

28. State one way in which people can maintain proper production of useful energy using the source in the diagram.

.....

29. Mention one form of antisocial behavior at school.

.....

30. Why should part of a rabbit hutch be constructed using a wire mesh?

.....

31. Name one part of a movable joint that reduces friction at a joint.

.....

Turn over

32. Give one way in which people can tell that there is a short circuit.

.....

33. Write one quality of essential drugs.

.....

34. Mention the gas used in firefighting.

.....

**The diagram below shows a type of thermometer in use. Use it to answer questions 35 and 36.**



35. Name the thermometer marked **K**.

.....

36. Give one advantage of using the thermometer marked **K** over a clinical thermometer.

.....

37. Mention one message under PIASCY.

.....

38. State the use of flowers to plants.

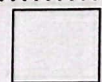
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39. Write one sign of poor sanitation in an area.

.....

40. Mention one material used to promote the hygiene of hands

.....



Turn over

**SECTION B: 15 questions (60 MARKS)**

41 (a) State two forms of proper posture during a lesson.

(i) .....

(ii) .....

(b) Give any two dangers of failure to maintain proper body posture.

(i) .....

(ii) .....

42. You are given the following materials: **liquid soap, scrubbing brush, broom** and **a mop** to clean the floor of a classroom.

(a) Mention one material that is missing in the list of materials given.

.....

(b) Write three steps that you can follow using the materials given and the one you mentioned in **(42 a)** above to clean the floor of a classroom.

(i) .....

(ii) .....

(iii).....

43(a) Mention two forms of wood fuel.

(i)..... (ii) .....

(b) Give two ways of discouraging people from using wood fuel since it destroys the environment.

(i) .....

(ii) .....



44 (a) Mention one condition necessary for seeds to germinate.

.....

(b) Give two ways in which farmers can break the seed dormancy due to hard testas.

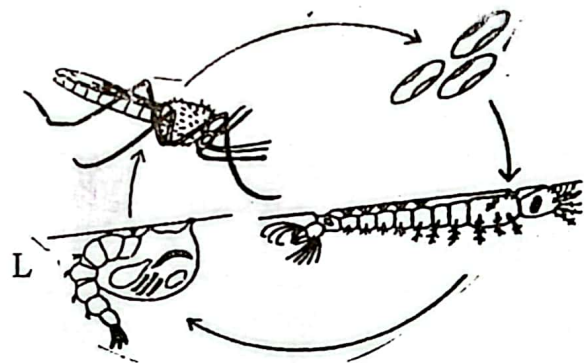
(i) .....

(ii) .....

(c) Which term refers to the act of planting crops again in areas of the garden where germination did not occur?

.....

45. The diagram below shows a lifecycle of a certain type of mosquitoes. Use it to answer questions that follow



(a) Name the stage marked L.

.....

(b) Apart from the number of stages, state another characteristic that makes the above cycle to be a complete lifecycle.

.....

(c) State two dangers of the type of mosquito shown in the diagram to human health.

(i) .....

(ii) .....

Turn over



46. a) State two ways in which health education is done in the community.

(i) .....

(ii) .....

(b) Give two importance of carrying out health education in the community.

(i) .....

(ii) .....



47 (a) Mention one way in which a:

(i) crop farmer benefits from a bee farmer

.....

(ii) bee farmer benefits from a crop farmer.

.....

(b) State two ways in which bee keeping improves on the income of a farmer.

(i) .....

(ii) .....

48 (a) What causes malaria?

.....

(b) Mention two signs and symptoms of malaria.

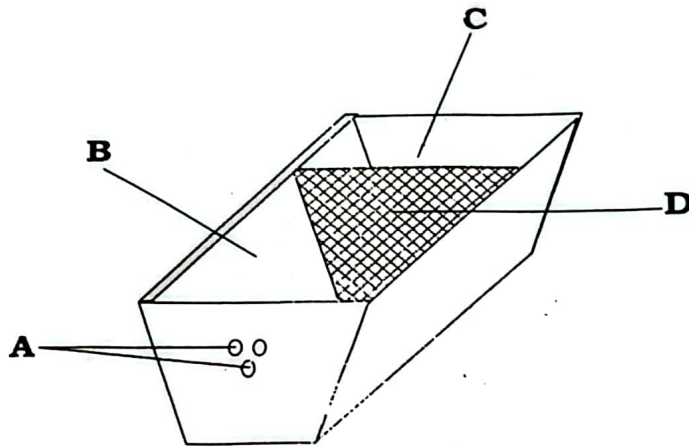
(i) .....

(ii) .....

(c) State one control measure against the spread of malaria.

.....

49. The diagram below shows a modern beehive. Use it to answer questions that follow.



(a) Name the chambers of the hive marked:

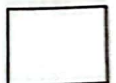
(i) B ..... (ii) C .....

(b) State one characteristic of part marked **D** that allows it to do its work.

.....

(c) Give one function of part marked **A** on the hive.

.....



50 (a) Give the danger of touching electric sockets and switches with wet hands.

.....

(b) Why should all members of a family know the location of a main switch of electricity at home?

.....

.....

(c) State two pieces of advice you can give to your family members in order to use less electricity in a home.

(i) .....

(ii) .....

51(a) Mention two dangers of tobacco smoking to human health.

(i) .....

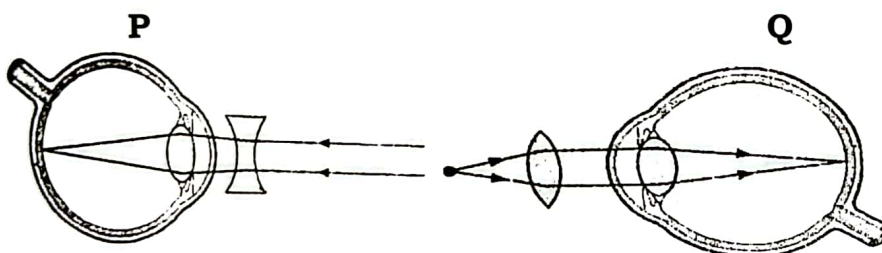
(ii) .....

(b) Briefly explain how one person in a family who smokes tobacco ends up making other family members smokers too. (2marks)

.....

.....

52. Use the diagrams that show correction of eye defects below to answer questions that follow.



(a) Which eye defects were corrected as shown in the diagram?

(i) P ..... (ii) Q.....

(b) Mention one cause of the eye defect corrected in Q.

.....

(c) What advice can you give your fellow pupils to maintain good eye sight?

.....



53 (a) Mention the class of vertebrates that:

(i) entirely depends on water for its survival.

.....

(ii) lives both on land and in water

.....

(b) Give two practices that can conserve animals that live in water.

(i) .....

(ii) .....

54 (a) Give two factors that affect the friction force between two objects in contact.

(i) .....

(ii) .....

b) State two importance of friction force in our daily life situations.

(i) .....

(ii) .....

55 (a) Mention the state of matter in which heat travels fastest by:

(i) conduction .....

(ii) convection .....

(b) Give two importance of heat transfer at school.

(i) .....

(ii) .....

END

