



MBALE CITY ACADEMIC BOARD
PRIMARY LEAVING MOCK EXAMINATION
2024
INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Index	EMIS No.	Personal No.

Candidate's Name:

Candidate's Signature:

School EMIS No:

District ID:

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. 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/crossing** 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;

Qn No.	MARKS	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

"FOR EXAMINER'S USE ONLY"

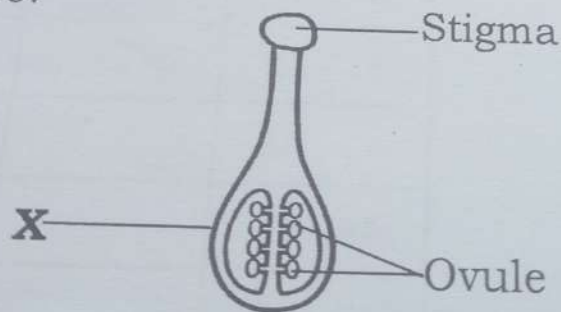
Please turn over

SECTION A : 40 MARKS

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

1. Mention the feature an insect uses for smelling.
.....
2. State **one** way of putting out petrol fires.
.....
3. How is pitch produced by a small drum different from that produced by a big drum?
.....
4. Write the component of a diptank that controls the spread of tickborne diseases in a farm.
.....
5. How is an energy saving stove made in order to conserve heat for a long time?
.....
6. State any **one** characteristic that enables a goose to live in water easily.
.....
7. Mention **one** example of a breed of sheep mainly kept for meat production.
.....
8. Name the part of the lungs that plays a similar role as the synovial fluid in the joints.
.....
9. Give a reason why mosquitoes lay their eggs in stagnant water.
.....

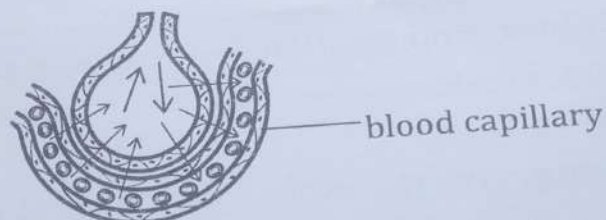
Below is part of a flower. Study it carefully and use it to answer question 10.



10. What does part marked **X** above develop into after fertilization?
.....

11. Besides polio vaccine, give any other vaccine administered through oral drops.
.....
12. State **one** adaptation of the tongue to its function of tasting food.
.....
13. Give any **one** way in which wedges are useful to a cook in the kitchen.
.....
14. Name any **one** aquatic plant pollinated by flowing water.
.....
15. Name the method of seed dispersal that requires the help of sun's heat.
.....
16. Use the organisms below to form a correct food chain.
mice groundnuts cat puffballs
17. What name is given to the solid particles that remain after filtration?
.....
18. Give **one** danger of irregular brushing of teeth.
.....

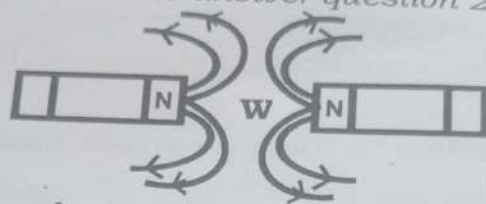
Below is a diagram showing an alveolus. Study and use it to answer question 23.



19. Name the process represented by the arrows in the diagram above.
.....
20. Write **one** way of caring for a dehydrated child at home.
.....
21. Why does a lake surface with many waves glitter on a sunny day or during moonlight?
.....
22. How does heat travel through matter with closely packed molecules?
.....

23. State **one** reason why a spider is grouped together with a grasshopper.
24. Why are most solar panels made of dark colours?
25. Give **one** mineral salt that helps in the proper development of thyroid glands?
26. What type of change takes place when cooking fat is put into a saucepan placed on fire?

The diagram below shows field lines on one of the properties of a magnet. Study and use it to answer question 27.



27. Name the region marked **W** in the diagram above.

28. What does letter **A** represent as used in **ABC** about reducing the spread of HIV/AIDS?

29. How is goat rearing important in the control of kwashiorkor among infants?

30. Briefly explain how crop rotation controls crop pests in a farmland.

31. Apart from boiling, give the other method used in the preparation of safe drinking water.

32. Give any **one** component of sweat secreted by the skin.

33. How is the propagation of Irish potatoes different from that of sweet potatoes?

34. What are insulators of electricity?

Below is a structure showing the human skull. Study and use it to answer question 35.



35. Name the immovable joint marked with letter **P** on the human skull above.

36. Write **one** example of a vulnerable group of people.

37. State **one** advice you would give Mr. Mukasa to increase the productivity of his soil.

38. Give **one** use of air as a resource to people.

39. Name the artery in the human body to which all other arteries are connected.

40. State any **one** reason why images are not formed in the blind spot of the eye.

SECTION B : 60 MARKS

Questions 41 to 55 carry **four** marks each.

41. A boy who was running on the stair cases accidentally fell down and broke his thigh bone.

(a) Name the injury the boy suffered from.

(b) State any **two** ways in which the boy could be given First Aid.

(i)

(ii)

(c) Why do you think it was necessary to give first aid to the boy?

42. (a) In one sentence, describe epigeal germination.

(b) Which part of a bean seed permits water and oxygen in a germinating seed?

(c) Mention any **two** characteristics of a seed that may fail to germinate when all necessary conditions are available.

(i)

(ii)

43. Below is a diagram showing a common practice carried out by people in rural areas. Study and use it to answer the questions that follow.



(a) Name the form of fuel that will be obtained from the above practice.

(b) State the reason why wood is covered with soil as shown above.

(c) Give any **two** ways in which the above practice may be unfriendly to the environment.

(i)

(ii)

44. (a) What term refers to essential health care where individuals, families and communities work together to solve their health problems?

(b) Mention any **two** antenatal care activities done to a pregnant woman at a health centre.

(i)

(ii)

(c) Which element of PHC is promoted when a pregnant woman goes to a health centre for antenatal care?

45. (a) Apart from cowdung, name **two** other products got from cattle.

(i)

(ii)

(b) State any **two** ways cowdung is useful to people in the community

(i)

(ii)

46. (a) Which process in plants is similar to sweating in human beings?

(b) Mention **one** way in which the process in 46 (a) above is useful to plants.

(c) State **one** negative effect of the process in 46 (c) above to plants.

(d) Give **one** way in which plants control the rate of the process you have mentioned in 46(a) above.

47. The diagram below shows parts of a tooth. Study it carefully and use it to answer the questions that follow.



(a) Name the parts labelled with letters;

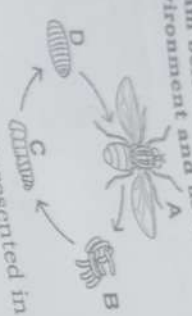
(i) **C**

(ii) **E**

(b) How is part **D** adapted to its function in the tooth drawn above?

(c) State **one** activity done by people to maintain the proper functioning of the tooth drawn above.

48. Study the diagram below showing the life cycle of a common insect in our environment and use it to answer the questions that follow.



- (a) What type of life cycle is represented in the diagram above?
- (b) State any **one** advantage of stage marked C in our home.
- (c) How is the breeding of the insect drawn above different from that of a blackfly?

(d) Name **one** disease spread by the insect in the life cycle above.

49. (a) What element of weather enables farmers to dry their harvested crops?

(b) Give **one** main reason why farmers should first dry their harvested crops before storing them.

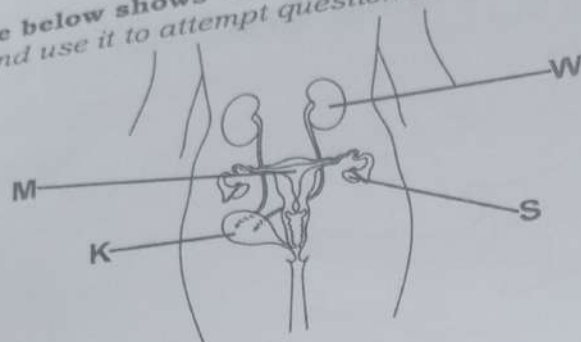
(c) Write any **one** crop pest that commonly attacks stored harvested crops.

(d) Mention any **one** quality of a good food store.

50. Complete the table below correctly.

AC electricity	Source
(i) _____	fast flowing water
Atomic electricity	(ii) _____
(iii) _____	sun's heat and light
thermal electricity	(iv) _____

51. The figure below shows the female reproductive system. Study it carefully and use it to attempt questions that follow.



(a) Name the organ marked **K**.

(c) Mention the process that takes place in the following parts:

(i) **M**

(ii) **S**

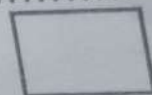
(c) How is the organ marked **W** useful in the body?

52.(a) State the difference between "volume" and "pitch" as used in sound.

(b) Write **one** factor that affects the pitch of sound.

(c) Give any **one** method of storing sound.

(d) Mention any **one** device that reproduces stored sound.



53.(a) Write any **one** advantage of local breeds of chicken over exotic ones.

(b) Mention any **two** poultry vices experienced in deep litter system.

(i)

(ii)

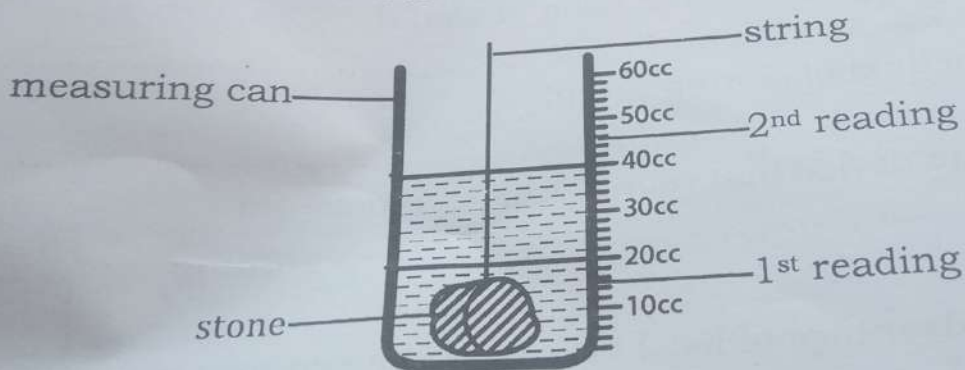
(c) Give **one** factor considered when choosing a good chicken breed to rear.

54. Below is a common activity carried out at school. Study and use it to answer the questions that follow.



- Name the activity being carried out in the diagram above.
- What type of a pulley is involved in the above activity?
- With the help of an arrow, show the direction of the effort in the diagram.
- In which way does the pulley drawn above simplify the activity drawn above?

55. Below is an experiment that was carried out by a P.5 class. Study it carefully and use it to answer the questions that follow.



- Why was the experiment carried out?
 - Write **one** characteristic of floating objects.
- (b) If the stone in the diagram above has a mass of 90g, work out its density. (2 marks)