



THE E-LEARN EXAMINATIONS BOARD

P.7 PRER PLE SET FOUR / TEN

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.	EMIS No.					Personal No.		

Pupil's Name:

Pupil's Signature:

School Name:

District Name:

Read the following instructions carefully:

1. Do not forget to write your **school** or **district name** on the paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions. The paper has **10** printed pages altogether.
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown 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 boxes inside the question paper.

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		

SECTION A: 40 MARKS

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

1. Define the term skeleton.

.....

.....

2. Name the gas that is used by leguminous plants to make proteins?

.....

3. Identify any **one** state of matter through which heat travels by convection.

.....

4. Why is it important to give first aid to a casualty?

.....

5. Why should a living house have proper ventilation?

.....

6. Give any **one** example of a root tuber.

.....

7. State any **one** sign of dehydration in babies.

.....

8. In the space below draw the diagram of a convex lens.

9. Identify any **one** method of castration

.....

10. State any **one** effect of heat on matter.

.....

11. Write down any **one** example of a disease which can be prevented by drinking clean boiled water.

.....

12. Write **HIV** in full.

.....

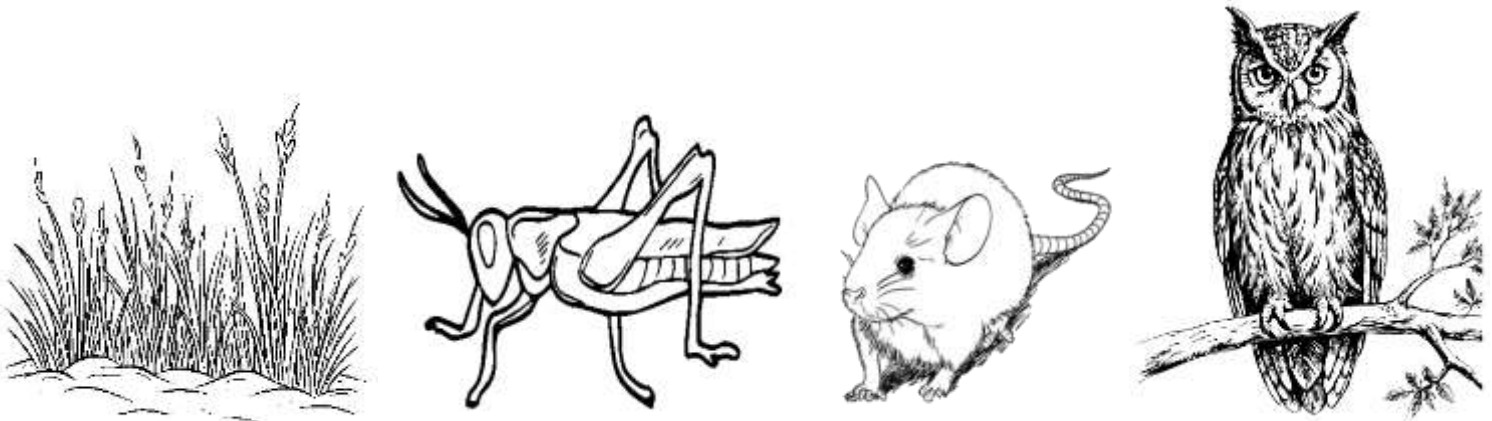
13. How does an energy saving stove help to conserve the environment?

.....

14. State any **one** role of children in a home.

.....

Study the diagram below carefully and use it to answer the questions that follow.



Grass → **Grasshopper** → **Mouse** → **Owl**

15. Identify the feeding relationship above.

.....

16. What will happen to the grasshoppers if the mice are removed from the feeding relationship above?

.....

17. Name the gas that is used in fire extinguishers to put out fire.

.....

18. How can we protect ourselves against hookworm infestation?

.....

19. Why are we always encouraged to have proper body posture?

.....

20. Mention any **one** condition that leads to short circuits.

.....

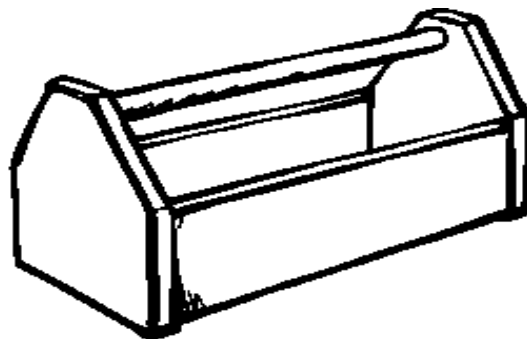
21. Suggest any **one** danger of antisocial behaviors among the youths.

.....

22. Identify the class of food obtained from beans, fish and milk.

.....

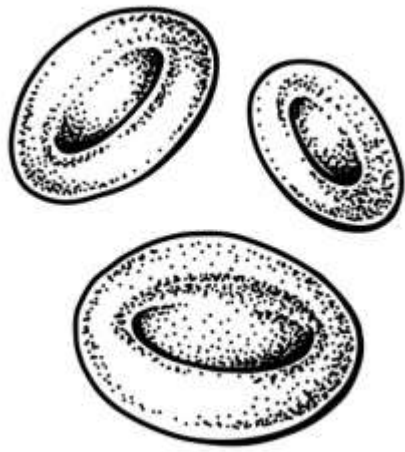
The diagram below shows an item found in a poultry house. Use it to answer questions **23** and **24**.



23. Name the item shown above.

.....

24. How is the item shown above important in a poultry house?
.....
25. State the importance of synovial fluid at a joint.
.....
26. How can the digestive system of a human being be maintained in proper working conditions?
.....
27. Give any **one** reason why we should always follow the doctor's advice when taking drugs.
.....
28. Name any **one** product got from milk.
.....
29. Point out any **one** sign of kwashiorkor in babies.
.....
30. Why is the earth called a natural magnet?
.....
31. Mention any **one** cause of soil erosion.
.....
32. By what process does heat from a flat iron reach the cloth when ironing?
.....
33. State the function of the blood cells shown below.



34. How are the air sacs important in the lungs?

.....

35. How is the carotid artery important in the body?

.....

36. Name the part of a mushroom which produces and disperses spores.

.....

37. Why are we advised to always wash hands after visiting a toilet or latrine?

.....

38. What is adolescence?

.....

39. State any **one** characteristic of insect pollinated flowers?

.....

40. Name the part of the eye where images are formed.

.....

SECTION B: 60 MARKS

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

41. (a) What is meant by the magnetic field as used in magnets?

.....

- (b) State any **one** property of magnets.

.....

- (c) Give any **two** materials which can be attracted by a magnet.

(i).....

(ii).....

42. (a) State any **two** functions of a leaf to a plant.

(i).....

(ii).....

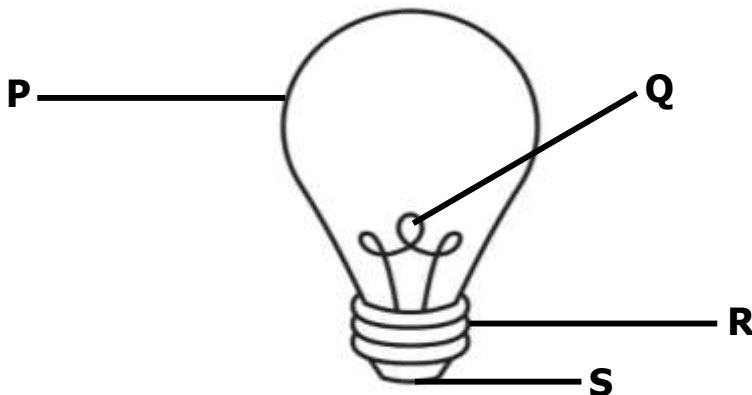
43. (b) Identify any **one** raw material used by plants to make food.

.....

- (c) How do animals benefit from the process of photosynthesis?

.....

44. The diagram below shows an electric bulb. Use it to answer the questions that follow.



(a) Name the part marked **P**

.....

(b) Why is part marked **Q** coiled?

.....

(c) Mention any **one** gas found in the bulb.

.....

(d) State the energy transformation that takes place in the bulb when it is working.

.....

45. (a) What is the difference between a fruit and a seed?

.....

(b) Give **one** example of each of the following:

(i) Drupe:

(ii) Pome:

(iii) Berry:

46. (a) What are vertebrates?

.....

(b) Give **two** groups of vertebrates which are warm blooded.

(i).....

(ii).....

(c) Why are reptiles grouped under cold blooded vertebrates?

.....

47. (a) Give any **two** examples of first class lever machines.

(i).....

(ii).....

(b) Why is a panga called a simple machine?

.....

(c) Mention any **one** factor that reduces the efficiency of a machine.

.....

48. (a) Suggest any **two** importance of wind in the environment.

(i).....

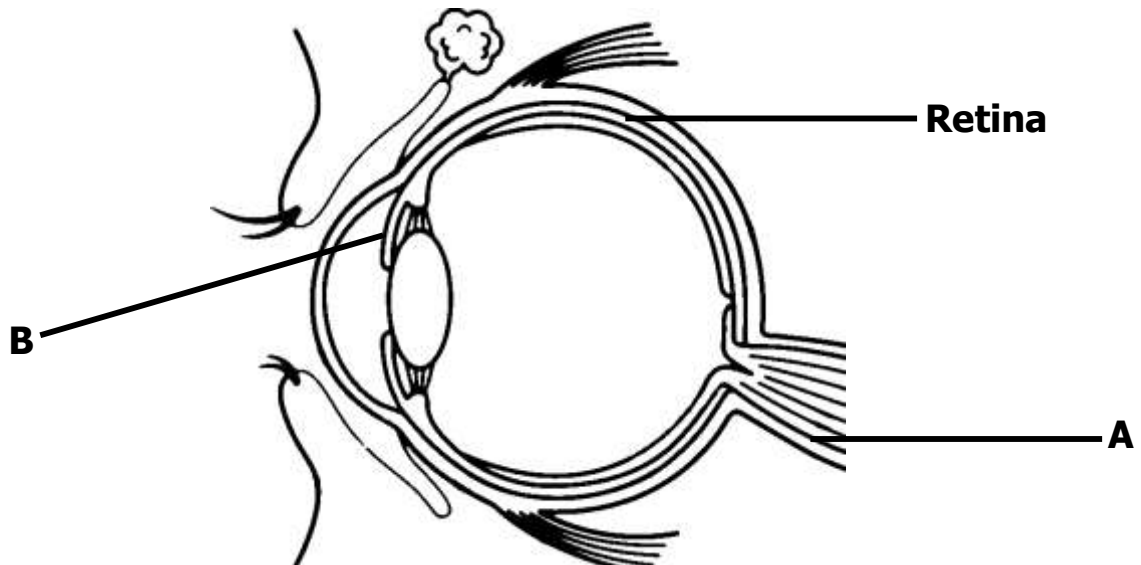
(ii).....

(b) Give any **two** ways wind can be dangerous in the environment.

(i).....

(ii).....

49. The diagram below shows the human eye. Use it to answer the questions that follow.



(a) Name **A** and **B**

A:

B:

(b) Mention any **one** infection that affects the above organ.

.....

(c) How can we care for the above organ?

.....

50. (a) Give any **one** example of weeds.

.....

(b) Give **one** disadvantage of weeds in the garden.

.....

(c) Point out any **two** ways of controlling weeds in the garden.

(i).....

(ii).....

51. (a) Name any **one** drug found in tobacco.

.....

(b) Give **two** reasons why people smoke.

(i).....

(ii).....

(c) How is tobacco growing important in a community?

.....

52. (a) Give **two** diseases which attack bananas.

(i).....

(ii).....

(b) State any **one** way of controlling diseases in a banana plantation.

(i).....

(ii).....

(c) Why do farmers carry out mulching in a banana plantation?

.....

53. (a) Mention any **two** activities carried out on a school health parade.

(i).....

(ii).....

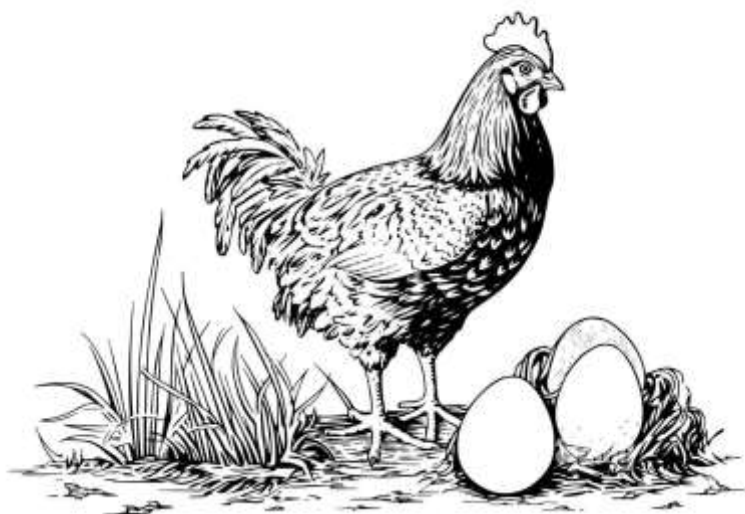
(b) How does a school health parade help to promote good health of pupils?

.....

(c) Name any **one** member of a school health committee.

.....

54. Use the diagram below to answer the questions that follow.



(a) Name the practice that may take place according to the above diagram.

.....

(c) Outline any **one** disease that affects poultry on a farm.

.....

55. (a) Give any **two** reasons why people eat food.

(i).....

(ii).....

(b) Write the first 2Fs as used in 4Fs.

.....

56. (a) State any **two** characteristics of insects.

(i).....

(ii).....

(b) Which part of an insect helps to balance in air during flight?

.....

(c) How are houseflies important in a pit latrine?

.....

END