



ORION EXAMINATIONS BOARD

PRIMARY LEAVING EXAMINATIONS 2025

STANDARD EXMINATION SET-9-2025

INTEGRATED SCIENCE
Time Allowed: 2 Hours : 15 Minutes

Random No.						Personal No.		

CANDIDATE'S NAME:

CANDIDATE'S SIGNATURE:.....

DISTRICT NAME:.....

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.Answer **all** questions. **All** answers to both sections **A** and **B must** be written in the spaces provided.
- 5.**All** answers must be written using a **blue** or **black ball** point **pen** or **ink**. Diagrams should be drawn in a pencil.
6. **Unnecessary** changes in your work may 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 table indicated: **"FOR EXAMINERS' USE ONLY"** and boxes inside the question paper.

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

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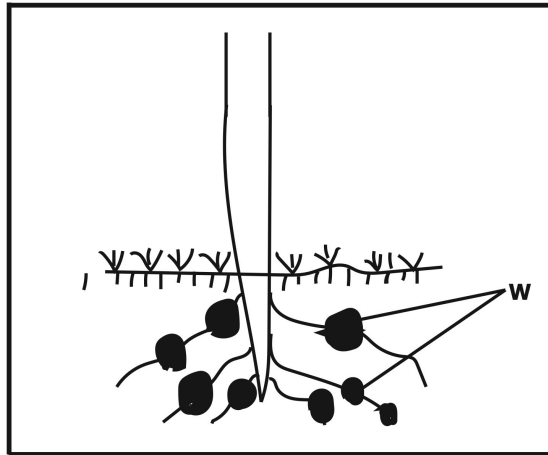
SECTION:A

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

1. Mention any **one** item used to clean our teeth.
.....
2. Give a reason why mushrooms are unable to make their own food.
.....
3. In which **one** way are bacteria harmful to people ?
.....
4. Why do farmers put litter in a poultry house ?
.....
5. Suggest **one** function of white blood cells in the body.
.....
6. Name any **one** factor that increases the rate of transpiration.
.....
7. Identify the part of a clinical thermometer that prevents the back flow of mercury.
.....
8. What is meant by the term **resources** ?
.....
.....
9. Why is **AIDS/HIV** called a communicable disease ?
.....
10. Mention any **one** condition that may lead to seed dormancy.
.....
11. Name the type of soil used for making glasses.
.....



Study the diagram below and use it to answer questions **12** and **13**.



12. Name the structure marked **W**.

.....

13. Identify any **one** crop with such roots above.

.....

14. In which **one** way are water sources contaminated ?

.....

15. Why is it important for us to breathe through the nose ?

.....

16. Name any **one** organ protected by the ribcage.

.....

17. Give any **one** condition that supports rusting.

.....

18. Give any **one** reason for preserving food.

.....

19. Give **one** importance of grits in the alimentary canal of birds.

.....

20. Why are mosquitoes referred to as solitary insects ?

.....

TURN OVER

21. Mention any **one** group of vertebrates.

.....

22. Give any **one** danger of the sun.

.....

23. State any **one** disadvantage of friction.

.....

24. How does the life cycle of a cockroach differ from that of a grasshopper ?

.....

25. Give any **one** danger of eating food with unwashed hands.

.....

26. Why is the skin grouped under excretory organs ?

.....

27. Which form of energy enables us to see objects ?

.....

28. Which method of heat transfer enables Waswa to boil water in a saucepan ?

.....

29. Give the use of a spur to a cock.

.....

30. Identify any **one** thing made out of beads.

.....

31. State any **one** way of caring for HIV/AIDS patients.

.....

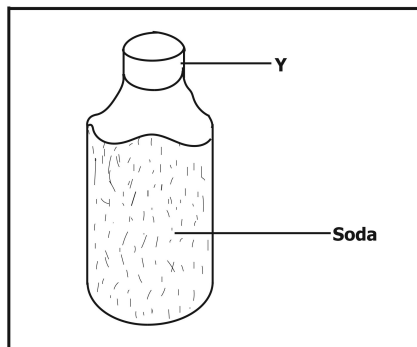
32. Name any **one** disease spread through the 4Fs.

.....

33. Which mosquito spreads elephantiasis ?

.....

Study the diagram below and use it to answer questions **34** and **35**.



34. Name the gas that occupies the space marked **Y** on the above diagram.

.....

35. Why was the space left in the bottle above ?

.....

36. Give **one** reason why smoking is said to be a dangerous act ?

.....

37. Identify any **one** method used in separating mixtures.

.....

38. State **one** reason why birds are able to fly in air.

.....

39. How are tendons useful in the muscular skeletal system ?

.....

40. Give **one** danger of sharing the same residential house with animals.

.....

SECTION:B

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

41(a). Give any **two** functions of blood in the human body.

(i)

(ii)

(b) Identify **two** diseases of blood.



(i)

(ii)

42(a). Name any one tick borne disease in cattle.

.....

(b) Give **two** ways through which tick borne diseases can be controlled in cattle.

(i)

(ii)

(c) Suggest any one best way of improving the quality of local breeds of cattle.

.....

43. Give the function of the following types of teeth.

(a) Molars:

.....

(b) Canines:

.....

(c) Premolars:

.....
(d) Incisors:
.....

44.(a) Mention any **two** living components of the environment.

(i)

(ii)

(b) Give any **two** non-living components of the environment.



(i)

(ii)

45.(a) Write down any **two** reasons why people smoke.

(i)

(ii)

(b) Why is it not advisable for a pregnant mother to smoke ?
(Give two reasons)

(i)

(ii)

46.(a) Name **two** requirements a clean home should have.

(i)

(ii)

(b) Give **two** health benefits of keeping our homes clean.

(i)

(ii)

47.(a) Define the term vulnerable people.

.....
.....

(b) Mention any **two** groups of vulnerable groups of people.

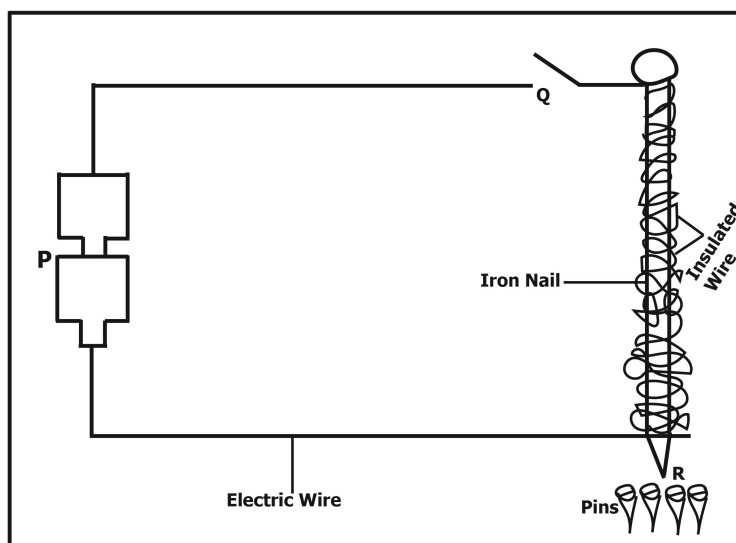
(i)

(ii)

(c) In which one way can you help a vulnerable elderly person ?

.....

48. Study the diagram below carefully and answer the questions that follow.



(a) Name the method of making the magnet used above.

.....

(b) What will happen to the pins at **R** when **Q** is closed ?

.....

(c) How can magnetism be increased in the iron nails ?

.....

(d) Mention any **one** advantage of using the above method in making a magnet.

.....

49. Match the following items correctly.

A	B
Pitch	Highness or lowness of sound
Echo	Reflected sound
Frequency	Loudness or softness of sound
Volume	Number of vibrations per sound

(a) Pitch:

.....

(b) Echo:

.....

(c) Frequency:

.....

(d) Volume:

.....

50.(a) Why are arachnids taken to be arthropods ?

.....

(b) Give any **two** examples of arachnids.

(i)

(ii)

(b) Write down any **one** characteristic of arachnids.

.....

51. How does each of the following help to maintain soil fertility ?



(a) Mulching:

.....

(b) Crop rotation:

.....

(b) Give any **two** other ways of maintaining soil fertility.

(i)

(ii)

52.(a) Give any **two** types of pollution in the environment.

(i)

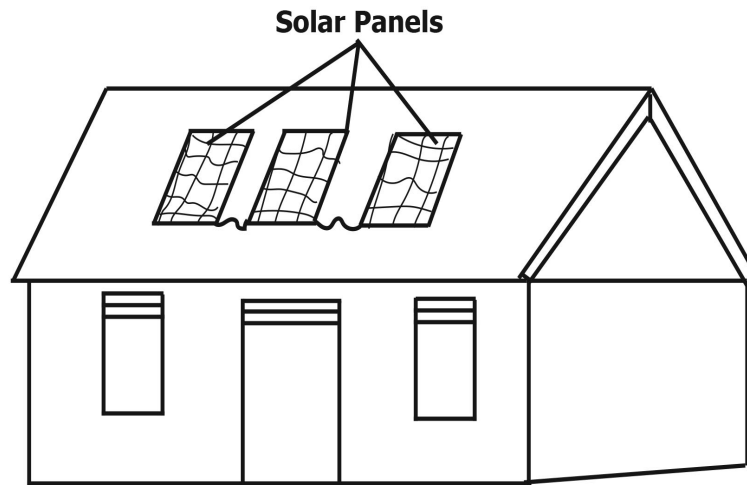
(ii)

(b) In which **two** ways do factories and industries pollute the environment?

(i)

(ii)

53. The diagram below shows a residential house. Study it carefully and use it to answer the questions that follow.



(a) Give the use of the solar panels on the residential house above ?

.....

(b) How is conduction of heat different from convection ?

.....

.....

(c) Mention **two** renewable energy resources in the environment.

(i)

(ii)

54.(a) Write down any **one** example of a beehive with a queen excluder.

.....

(b) State any **one** duty on a drone bee in the hive.

.....

(c) Mention any **two** factors a person should consider before choosing a location for apiary.

(i)

(ii)

55.(a) Define the term kidding as used in goat keeping.

.....

.....

(b) Name the type of goat kept for milk production.

.....

(c) Give any **two** reasons why people rear goats.

(i)

(ii)

