



THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD
THE REAL PLE COMMAND CENTRE
REAL CANDIDATES' PRE - REGISTRATION FOR
PRIMARY LEAVING EXAMINATIONS
2024
INTEGRATED SCIENCE (SET ONE)

Time allowed: 2 Hours 15 Minutes

Index no:

Random No					Personal No				

Candidate's name:
Candidate's signature:
School:
District:

Read the following instructions carefully

1. This paper is made up of two sections: **A** and **B**.
2. Section **A** has **40** questions (**40 marks**).
3. Section **B** has **16** questions (**60 marks**).
4. Answer ALL questions in both sections **A** and **B**.
5. All answers **MUST** be written in the space provided in blue or black ball point pens or ink. All diagrams should be in pencil.
6. Unnecessary crossing of answers will lead to loss of Marks.
7. Poor hand writing which cannot be easily read, May lead to loss of marks.

FOR EXAMINERS' USE ONLY		
Qn. No	MARKS	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 46		
47 - 48		
49 - 51		
52 - 53		
54 - 55		
TOTAL		

The Real Private Teachers' Voice Examinations Board 2024.

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SECTION A (40MKS)

1. Name the state of matter in which heat travels slowest.

2. How important are gumboots to a person harvesting honey from the hive?

3. Name the longest bone in the human body.

4. How are ferns different from conifers as regards to their reproduction?

The diagram below shows a frog. Study it to answer questions 5 and 6



5. State the main reason why the above animal is able to live both in water and on land.

6. How does the above animal move from place to place?

7. State any one way how you can a person whose body temperature has gone beyond 37°C.

8. What is the main reason of keeping saanen goats?

9. State one danger of teenagers who gets pregnant is likely to face.

10. Mention down one condition that makes a woman vulnerable.

11. Give the name of the immunisable disease that is prevented by giving Hep B vaccine.

14. Give a reason why cattle farmers prefer keeping cross breeds to exotic breeds.

The diagram below shows a simple machine. Use it to answer questions 15 and 16.



15. Identify the type of simple machine show above.

16. Find the mechanical advantage of the above

17. Name the fungus that is used as a catalyst during the process of baking.

18. Why should a living house be constructed to let warm air at night?

19. How should a living house be constructed to let warm air at night?

20. Name the garden tool used by a farmer to carry out row planting.

21. Why should married people be treated together for gonorrhea?

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The diagram below shows a foot of a bird. Use it to answer questions 22 and 23.



22. Name the group of birds with the foot shown above.

23. Give any one example of a bird that belongs to the group you have named in 22 above.

24. What type of change is rusting?

25. How would you tell by merely looking at a child that he/she is dehydrated?

26. State one way through which school children can avoid near drowning during swimming.

27. How are amphibians similar to fish apart from being vertebrates?

28. Name the body organ that regulates human temperature through shivering on a cold day.

29. Give one way of increasing the strength of an electro magnet.

30. How is polio vaccine important in the body of a one day old baby?

31. What can happen to a person when there is reduced oxygen supply to the brain?

32. State one danger of observing poor body posture.

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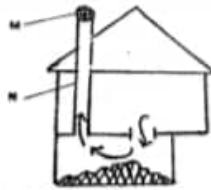
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33. How does a drum produce sound?
34. In which one way is the ileum able to carry out its function of food absorption.
35. Name the process through which frozen ice turns into liquid when heated.
36. Why should drugs be kept out of reach of children?

The diagram below shows a latrine. Use it to answer questions 37 and 38



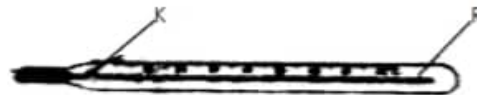
37. What do the arrows represent?
38. State the importance of part labelled M on the latrine.
39. How can one improve the amount of milk produced by a Friesian cow?
40. Mention down any one weather condition managed by using an umbrella.

SECTION B

41. a) Give one example of each:
- i) Social insect;
 - ii) Wingless insects;
- b) State two characteristics of insects
- i)
 - ii)



42. The diagram below shows a thermometer. Use it to answer questions that follow.



- a) Identify the type of thermometer shown above.
- b) Name the part labelled R.
- c) State the function of part marked K in the thermometer.
- d) How can one ensure cleanliness of the above thermometer before using it.
43. a) What are energy resources?
- b) Give any two examples of renewable energy resources
- i)
 - ii)
- c) How does man use water as an energy resource?
44. a) State the importance of cilia in the nose
- b) What happens to the diaphragm during breathing out?
- c) In which way do plants benefit from the process of human respiration
- d) Give one way we keep the respiratory system in good working condition
45. a) Name one method of preserving milk without using heat.
- b) Mention down two milk products.
- i)
 - ii)
- c) How are bacteria useful to ghee processing industry?

46. The diagram below shows a female reproductive system. Use it to answer questions that follow.



- a) Name the part labelled B.
B _____
- b) What process takes place in parts marked C and D?
i) C _____
ii) D _____
- c) Give one way you can care for the system above.

- 47.a) Name one bone in the body to Which the ribs are attached.

- b) Identify one place in the body where the following joints are found
i) Gliding joint. _____
ii) Ball and socket joint _____
- c) Why are biceps and triceps called antagonistic muscles?

- 48.a) Why do we sort clothes before washing?

- b) State one factor we consider when sorting clothes?

- c) How does wringing ease the process of drying clothes?

- d) Mention down one element of PHC promoted by washing clothes

- 49.a) How does putting laying boxes in dark corners in a poultry house control egg eating?



- b) How is egg eating a dangerous vices common on a poultry farm?

- c) Mention any two other poultry vices common on a poultry farm.
i) _____
ii) _____

50. The diagram below shows a machine. Use it to answer questions that follow



- a) Which of the three letters represent effort?

- b) To which class of levers does the machine above belong?

- c) How can one improve on the efficiency of the machine above?

- 51.a) What happens to the volume of water when frozen?

- b) Give one way of finding the volume of an object.

- c) Give the standard unit for measuring the following
i) Mass _____ ii) weight _____
- 52.a) How does man produce sound?

- b) Write any two ways of storing sound.
i) _____
ii) _____
- c) Name any one device used to produce sound.

53. Match the crops below to their methods of propagation.

A

Sweet potatoes

Pine apples

Onions

Irish potatoes

a) Sweet potatoes

b) Pine apples

c) Onions

d) Irish potatoes

B

stem tuber

crowns

stem cutting

bulbs

54.a) Give the meaning of malnutrition.

b) Write down one cause of malnutrition in the community.

c) State any one danger of malnutrition in babies.

d) How can a p7 child participate in controlling malnutrition in a home?

55.a) The diagram below shows a ray of light striking a plane mirror labelled M. Use it to answer questions that follow.



a) What is **AB**?

b) How do we call angle **X**?

c) If angle **X** is 40°. What is the size of angle **Y**?