



THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD
THE ONLY REAL P.7 EXAMINATIONS COMMAND CENTRE
THE REAL MOCK TRIAL PREPARING A CANDIDATE FOR THE
PRIMARY LEAVING EXAMINATIONS 2024
INTEGRATED SCIENCE (SET FOUR)

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		
44 – 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 type of change that takes place when sugars dissolve completely in hot water.

2. How do farmers make the use of cow dung to control cutting of trees.

3. State the use of helmets worn by Motorcyclists.

4. Give one scientific value of alcohol in the community.

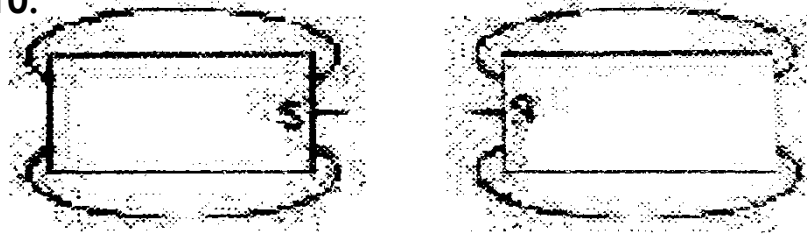
5. Name the part of the tooth that presents it wear and tear.

6. How is the synovial fluid similar to the cartilage in terms of function in a joint.

7. Why alcohol prepared through fermentation said to be alcohol of low concentration.

8. How does smoke move through the chimney of the kitchen.

The diagram below shows one of the behavior of magnets use it to answer question 9 and 10.



9. Identify the behavior of magnets shown above.

10. Use the arrow to show the flow of magnetism.

11. State the importance of perches in a poultry house.

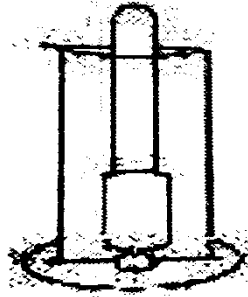
12. Name one type of germ that causes dysentery.

13. State one reason why it is important to shave hair on some parts of the body.



14. What happens to food when it reaches the stomach?

The diagram below shows equipment used during the production of milk on a cattle farm. Use it to answer questions 15 and 16.



15. Name the equipment above.

16. How is the equipment useful to cattle farmers?

17. Apart from storing food, state any one use of leaves to a cabbage plant.

18. Which part of the skeleton protects the spinal cord?

19. Name any one item that cable used in a classroom to keep it clean.

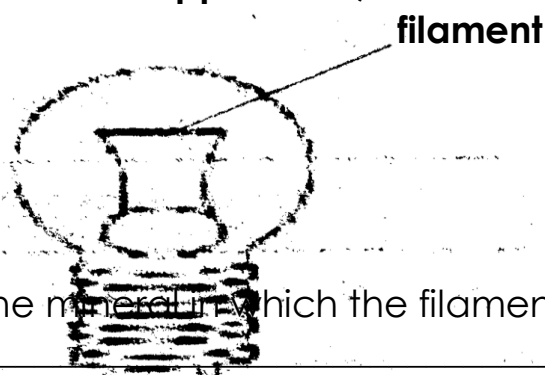
20. How does babies benefit from immunization programmes.

21. Name the energy resource got from fast flowing water.

22. Under which stage of growth is butterfly a crop pest.

23. State any importance of joints in the human body.

Below is an electric application, use it to answer questions 24 and 25.



24. Name the mineral in which the filament above is made of.



25. Why is the filament coiled?

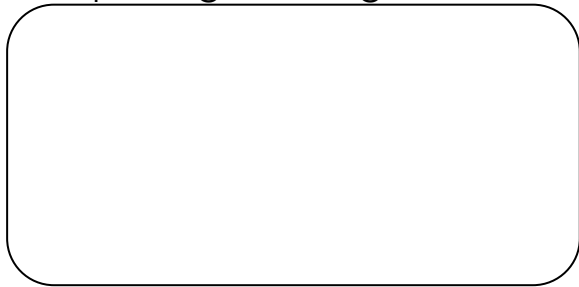
26. Why it dangerous to burst blisters in the second degree burn?

27. Apart from nectar, give any other substance bees collect from plants.

28. How does a sheep benefit from the wool on its body?

29. State one effect of rusting to metallic tools.

30. In the space below, draw and name the recommended garden tool for transporting seedlings.



31. For what reason do most fungi grow in areas with decaying matters.

32. How are swimming birds adapted to their way of feeding.

33. Which type of blood vessels help in exchange of materials in human body?

34. Mention one petroleum product used in generator.

35. Why are gaps left in between rails of a railway lines?

36. Identify the layer of soil with the highest content of humus.

37. Give one step of change in adolescent.

38. Why are lungs spongy in nature?

39. Convert 500° to $^{\circ}\text{F}$



40. Apart from softening the testa, give any other importance of water during germination.

SECTION B

41.a) Mention any two methods of making magnets.

i) _____

ii) _____

b) Give one shape in which magnets exist.

c) State one way of making magnets lose their magnetism.

42. Match instruments in list A with their uses in B.

Instrument

Fathometer

Hygrometer

Lactometer

Anemometer

uses

measures the speed of wind

determine density of milk

measures depth of water bodies

measures humidity.

Fathometer _____

Hygrometer _____

Lactometer _____

Anemometer _____

43.a) Give two causes of burns and scalds in our homes.

i) _____

ii) _____

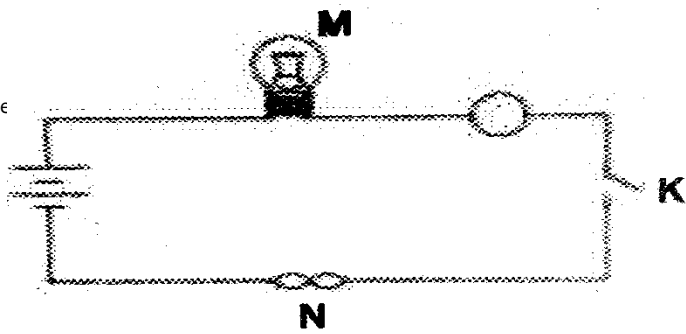
b) Why is an accident victim of a burn and scald encouraged to take plenty of fluids?

c) What is the immediate first aid given to a person who gets a burn?

The diagram below is of a simple electric circuit. Use it to answer questions that follow.

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The Real Private Teacher



0) (0704816448 – PAYMENTS)
THRIVE.



44.a) State the functions of parts marked.

K _____

N _____

b). How many volts are used in the above circuit?

c). State the main cause of the short circuit.

45a). State one way the houseflies are adopted to spreading diseases.

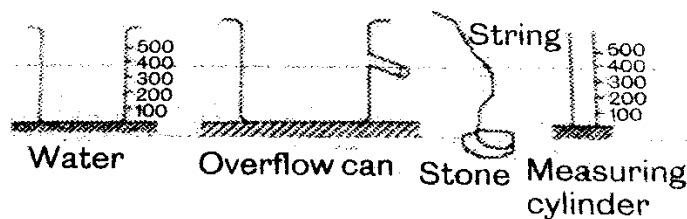
b). State two ways of controlling diseases spread by a housefly.

i) _____

ii) _____

c). Apart from houseflies, state any other example of insect vector.

47. **Given the volume of the stone as 40cc. Arrange equipment below by drawing to show the amount of water displaced by the stone. (4mks)**



48a). How does volume differ to the pitch of sound?

b). Give any two factors that can affect the pitch of sound.

i) _____



ii) _____

c). In which one way do human beings produce sound?

49a). Name the process which enables heat to pass through solids.

b). Mention one effect of heat on the following solids.

i) ice _____

ii) nail _____

c). Why are overhead electric wires left loose on the poles?

50. The table below is about nutrition. Use it to answer question 50.

Food value	Source	deficiency disease
_____	Posho	Marasmus
Vitamin A	Green vegetables	_____
_____	eggs	Kwashiorkor
Vitamin C	_____	Scurvy

51a). At what time of the day are shadows

i) longest _____ ii) shortest _____

b). Give two uses of shadows.

i) _____

ii) _____

52a). What are narcotic drugs?

b). Mention any two examples of narcotic drugs.

i) _____ ii) _____

c). State the general effect of drugs to the body.

53a). Mention two anti-social behaviours common among school children.

i) _____

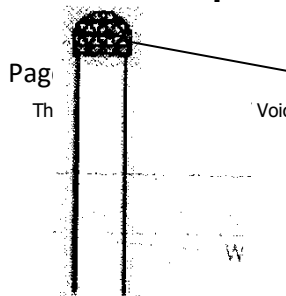
ii) _____

b). State two ways you can prevent school children from developing anti-social behavior.

i) _____

ii) _____

54. Below is part of a latrine. Use it to answer questions that follow.



S

W

a). From which type of a latrine was the above part extracted?

b). State the function of the parts marked.

i) S

ii) W

c). How are the above parts in (b) helpful in controlling of diarrhea diseases?

55a). What are farm records?

b). Give any one type of records farmers keep.

c). State two importance of farm records to a farmer who keeps them.

i)

ii)

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Boarding Students		Day Students	
S.1 – S.4	1,200,000/=	S.1 – S.4	450,000/=
S.5 – S.6	1,500,000/=	S.5 – S.6	500,000/=

