



THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD

THE ONLY REAL PLE COMMAND CENTRE

THE REAL MOCK TRIAL EXTRACTED FROM BLUE PRINTS OF

PRIMARY LEAVING EXAMINATIONS 2024

INTEGRATED SCIENCE (SET THREE)

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		

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SECTION A (40MKS)

1. Give one example of an egg laying mammal.

2. State one way through which babies can acquire tetanus at birth and afterwards.

3. Give one way in which a separating funnel is important to human beings.

4. Why is an HIV positive mother advised to breast feed her baby for the first 6 months?

5. Give any one sign common in children suffering from rickets disease.

6. How does yeast differ from other fungi in the environment?

The diagram below shows one of the items found in a clean home. Use it to answer questions 7 and 8



7. State the element of primary health care(PHC) that can be promoted by the above item at home.

8. How does the item above able to promote the element of Primary Health care at home?

9. State any one factor to consider when selecting a good pig for keeping.

10. Give any one characteristic that makes a premolar tooth suitable for chewing and grinding food.



11. State a reason why a measuring cylinder is filled with water half full when finding the volume of a stone.

12. Give one way in which alcohol can be used to support human life in the hospital.

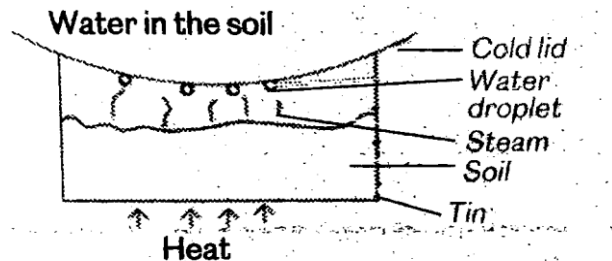
13. State one importance of honey combs to worker bees in the hive.

14. State any one danger of cutting fingernails using teeth.

15. Give any one process that adds carbon dioxide in the environment.

16. Which vector spreads amoebic dysentery to people?

Below is an experiment that was done by a P.5 class about soil. Use it to answer questions 17 and 18.



17. What does the experiment above prove?

18. State the importance of heat source in the experiment above?

19. How does typhoid fever spread to human beings.

20. What should a first aider do to prevent the body of a third degree burn victim from getting dehydrated?

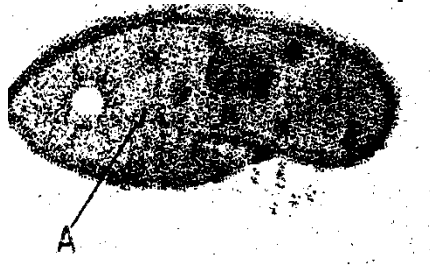
21. Give any one condition that may interrupt menstrual cycle in adolescent girls.

22. Give one way in which regular physical exercises are important to the human brain.

23. Name one arachnid whose mode of reproduction differ from that of the rest.

24. Give one way in which air circulation can be promoted in a ventilated improved pit latrine(VIP).

Use the diagram of a paramecium to answer questions 25 and 26.



25. Name part labelled A.

26. How is the above organism useful in the environment?

27. In which way are roughages important to the human digestive system?

28. Why do solids have definite shapes and volume compared to other states of matter?

29. Mention any one way in which reared farm cattle may get infected with diseases.

30. Apart from feeding on a balanced diet, state one other way of increasing the amount of blood in a human body.

31. Give any one way in which water can support human life.

32. Give any one way in which Nitrogen fixing bacteria can help to conserve soil in the environment.

33. Which rabbit disease is characterized by sneezing?

34. Name the part of human respiratory system that is greatly damaged by COVID-19.



35. Write down any one activity that members of wildlife can do to conserve rabbits reared at school.

36. How does wind affect sound speed in the environment.

37. Give a reason why boiled bean seeds will fail to germinate when put in soil.

38. How does hookworms infestation lead to anaemia in humans.

39. Give one way in which transpiration is important in the environment.

40. Give any one effect of weeds to crops in an area.

SECTION B (60 Marks)

41. The table below shows types of teeth and their in upper and lower jaw. Complete the table correctly.

	Incisors	canines	premolars	molars
Upper jaw	4	ii) _____	4	iv) _____
Lower jaw	i) _____	2	iii) _____	6

42.a) Mention down two examples of chemical change in the environment.

i) _____

ii) _____

b) In which two ways are chemical changes dangerous in the environment.

i) _____

ii) _____

43.a) Name the process in plants that uses water and carbon dioxide to take place.

b) Give any one way in which chlorophyll enables plants to carry out the process in (a) above.

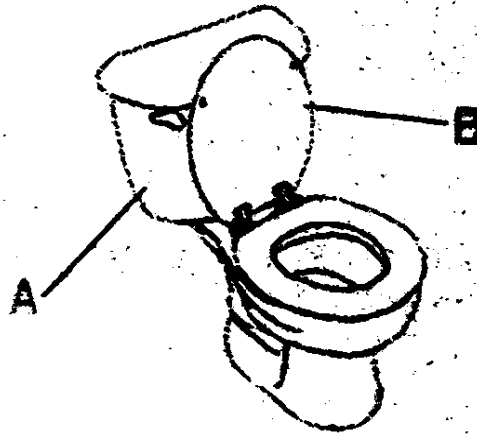
c) Why are the following important when testing for starch in a leaf.

i) boiling the leaf in water? _____

ii) boiling the leaf in alcohol? _____



44. The diagram below shows a water borne toilet. Study it carefully to answer the questions that follow.



a) Name part labelled A and B

A _____

B _____

b) Why should we flush a toilet after use?

c) Mention down the element of Primary Health care that is promoted by the facility above.

45.a) Give the meaning of the term Pitch.

b) State one characteristic of sound with high pitch.

c) Give one way in which pitch produced by a trumpet can be varied.

d) Why is it important to oil or grease the valves or slides of a trumpet before playing it?

46. Study the table below showing classification of vertebrates and use it to answer questions that follow.

A	B	C	D	E
Frogs	Lizards	Tilapia	doves	Man
Toads	Snakes	Nile perch	Chicken	Bats
Newts	Chameleons	Moonfish	eagles	Whales

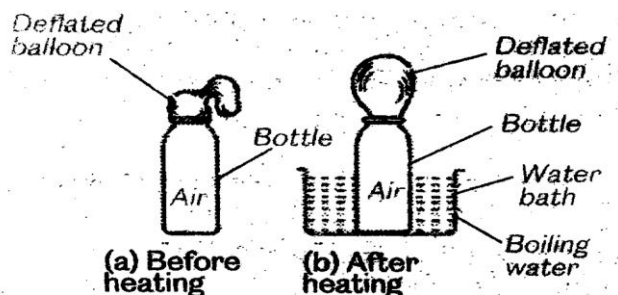
a) Identify the class of vertebrate represented by letters A and C

i) A _____ ii) C _____

b) How are animals in list A, B and C similar?

c) In which way are animals in list B different from those in E in terms of their body temperature?

47. Below is an experiment that was done by a P.6 class. Use it to answer questions that follow.



a) What does the experiment above prove?

b) Where did the air that filled the balloon come from?

c) Why did the balloon in B increase in size?

d) State what happened to the balloon shortly after it was removed from the hot water?

48.a) Mention down a renewable resource that is formed from weathering rocks.

b) Give two ways in which soil as a resource can be used to improve housing standards of people.

i) _____

ii) _____

c) In which way is sand soil and carbon dioxide gas similar in terms of their uses?

49.a) Give any two elements of sanitation at home.

i) _____

ii) _____

b) How is each of the following item help in promoting sanitation at home;

i) a toilet or latrine? _____

ii) a plate stand? _____

50.a) Name the type of smoking that takes place when one inhales tobacco smoke from an active smoker.

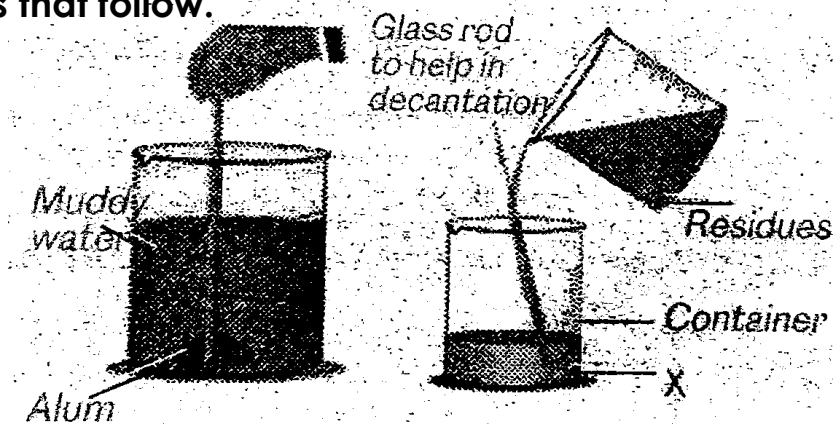
b) State two effects of smoking to a pregnant woman.

i) _____

ii) _____

c) Give any one life skill school children need to develop to avoid the habit of smoking.

51. **The diagram below shows a method used to make dirty water clean. Use it to answer questions that follow.**



a) Name the method shown above.

b) Why is X not recommended for drinking?

c) Give the scientific name for liquid X.

d) How can one make water obtained by the above method safe for drinking?

52.a) Mention down two reasons why harvested cassava should be preserved.

i) _____

ii) _____

b) Give two ways of preparing cassava for food at home.

i) _____

ii) _____

53.a) Give two ways in which child spacing can help to promote the health of a mother.

i) _____

ii) _____

b) How do the following methods help to promote family planning in women;

i) Prolonged breast feeding. _____

ii) Use of birth control injection- _____

54. **The following are some of the activities done by a bee keeper during the harvesting of honey but in a wrong order.**

a) Cut honey combs-

b) Lower the hive on the ground

c) Puffing smoke into the hive

d) opening the hive

Re arrange the above activities in their correct order.

i) _____

ii) _____

iii) _____

iv) _____

55.a) Which fiber is got from sheep?

b) How is sheep rearing useful to textile industries?

c) Apart from textile industries, mention down two other industries that use products from sheep.

i) _____

ii) _____

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CONTACTS

P.O. Box 19020 Kasangati

Tel.: (+256):755-583 704 (Director)

774 196 494 (Head teacher)

705-100 479 (Deputy HM)

Bursar: 0752 090 877/0772 582 704

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