



THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD

THE REAL VERIFIED UNEB BLUE PRINT ITEMS

FOR PRIMARY LEAVING EXAMINATIONS

2023

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		
44 – 46		
47 – 48		
49 - 51		
52 - 53		
54 - 55		
TOTAL		

The Real Private Teachers' Voice Examinations Board 2023.

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SECTION A (40MKS)

1. What name is given to the larva stage of a mosquito?

2. Give one way in which animals are important during the process of photosynthesis.

3. What causes measles?

4. Which part of the human body is affected by trachoma?

5. State one way in which health parades are important in a school.

6. Give one reason why an HIV person becomes more vulnerable to disease.

7. How do engineers prevent electric wires from breaking during cold weather?

8. Identify the body organ that removes carbon dioxide from the body.

9. Why is milk important in the fight against kwashiorkor?

10. How can mating in sheep be made easier?

11. What type of change takes place when a dead dog decays and forms humus?

12. How do coniferous plants reproduce?

13. Mention any one material that passes through the micropyle during germination.

14. Moses is fond of pouring chicken droppings in his garden, what do you think is his intention?

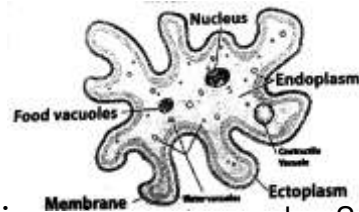
15. State one method of preparing food.



16. Mention the function of the pollen basket to a worker bee.

17. How is haemoglobin useful in the human body?

The diagram below is of an amoeba. Use it to answer questions **18** and **19**.



18. What kind of organisms is an amoeba?

19. How is the amoeba able to move from one place to another?

20. Name one mammal that moves by flying.

21. Mention one effect of heat on liquids.

22. Why do some plants shed their leaves during the dry season?

23. Name the useful stage of a housefly to human beings.

24. Why shouldn't young children be left alone near the cooking area at home?

25. How are cetaceans able to maintain their body temperature in water?

26. Identify the pole of a magnet marked letter **B**.



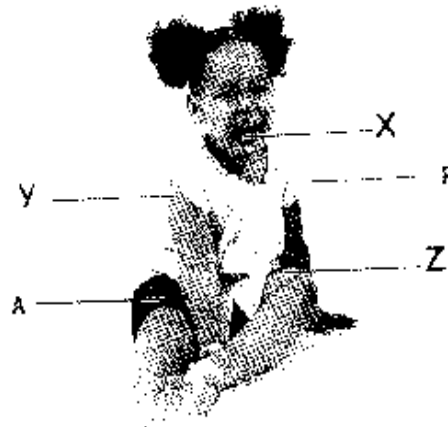
27. State any one advantage of castrating a billy goat.

28. Why should a farmer always add calcium rich foods to poultry feeds?



29. Mention one way of preventing ariboflavinosis in children.
-
30. Why are vitamins not digested in the human body?
-
31. Give any one advantage why a farmer should take daily weather records.
-
32. State any one advantage of wild animals in the environment.
-
33. Name the force that enables a person to open papers of a book using fingers.
-

The diagram below shows immunization sites. Use it to answer questions **34** and **35**.

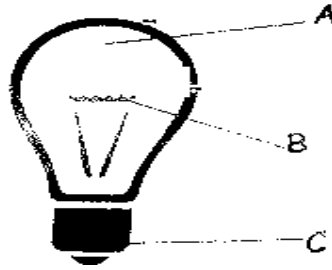


34. Name the disease whose vaccine is administered through part marked **Y**.
-
35. By what method is vaccine administered in part marked **X**?
-
36. State one sign of pest attack on crops.
-
37. How is the prevention of HIV/AIDS easier than that of malaria?
-
38. Name one pest that attacks root crops.
-
39. Give one example of an alloy.
-
40. Why does blood flow to the kidney on its way throughout the body.
-



SECTION B (60 Marks)

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



- a). Name any one gas found in part labelled **A**.

- b). Why is part labelled with letter **B** coiled?

- c). What energy change takes place in part **B** when the bulb is functioning in the circuit?

- d). Apart from light energy, state any one form of energy produced by a bulb when it is functioning in the circuit.

42. a) What is weathering?

- b) Give any two causes of weathering.
(i) _____
(ii) _____
- c) Apart from weathering, mention one other method through which soil is formed.

43. a). Give any two factors a health worker considers before prescribing drugs.
(i) _____
(ii) _____
- b) Mention any two examples of essential drugs.
(i) _____ (ii) _____



44. The table below shows information on immunization. Fill it correctly.

Disease	Vaccine	Number of doses
Tuberculosis	_____	One dose
_____	Hib vaccine	Three doses
_____	Polio vaccine	_____

45. a) Name the blood vessels that carry out the following duties.

i)Bringing blood to the heart_____

ii)Taking away blood from the heart._____

b) What type of blood is handled by the left ventricle?

c). Why are valves important to human heart?

46.a)Give two reasons why bottles of beverages are filled with a space left on top.

(i)_____

(ii)_____

b)Name the gas commonly used in bottles filled with soda.

c).How is the above gas important in the beverage?

47. The diagram below shows a head of a snake. Study and use it to answer questions that follow.



a) Name the type of snake with such a structure of a head.

b) Why does such a snake move with its tongue outside?



c) Name the part of the above snake used to detect sound vibrations in the environment.

d) State any one example of the above type of snake.

48. a) State the importance of magnets to the following.

i) doctors: _____

ii) pilots: _____

iii) teachers: _____

b.) Which property of magnets enables a magnet to work?

49. a). State two reasons why man made changes are important to human beings.

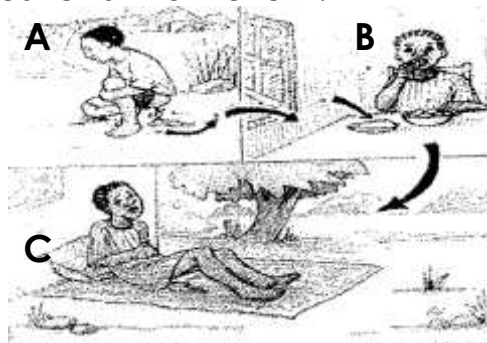
(i) _____

(ii) _____

b). Give two examples of physical changes apart from changes in weather.

(i) _____ (ii) _____

50. The diagram below shows a common germ path. Observe it carefully and answer questions that follow.



a) What name is given to all intestinal diseases got by the girl shown in picture **C**?

b) Identify the transfer medium for the germs from **A** to **B**.

c) Name one example of a disease that the girl in picture **B** is likely to get.

d) How can a person in picture **A** help to prevent the spread of diseases named in (a) above.

b.) State any two functions of the human Skelton.



i) _____

ii) _____

51. a) To which category of birds do we place a vulture and marabou stork?

b.) How is the group you have named in (a) above important to the environment?

c.) Mention any two dangers of birds in the environment.

(i) _____

(ii) _____

52. a) How are bones important in the human body?

b) Name any two examples of long bones in the human body

(i) _____ (ii) _____

c) In which way can a person maintain strong bones in his or her body?

53. (a) What term is used to refer to the disabling of testis from being productive in a bull?

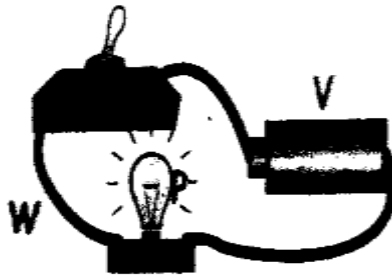
b.) State two advantages of the practice you have named in (a) above in a cattle farm.

i) _____

ii) _____

c.) How is the practice above dangerous in a cattle farm?

54. The diagram below shows a simple circuit. Use it to answer questions that follow.



a). Name part labelled with letter **P**.

b). State the energy change that takes place in part **V** when part **P** produces light.



c) Calculate the voltage required for the part **P** to produce light in the structure above.

d) How do rats at home lead to short circuits?

55. a). Give the meaning of the term cross pollination?

b). How are some plants adapted to cross pollination in the environment?

c). Mention any two examples of plants that commonly undergo cross pollination.

(i)

(ii)

STAY REAL. GOOD LUCK

