



# THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD

## THE REAL VERIFIED UNEB BLUE PRINT ITEMS

### FOR PRIMARY LEAVING EXAMINATIONS

2023

### INTEGRATED SCIENCE (SET TEN)

*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 type of change is rusting of metals?  
\_\_\_\_\_
2. Which vector spreads sleeping sickness to humans?  
\_\_\_\_\_
3. To which group of flowering plants do beans, peas and groundnuts belong?  
\_\_\_\_\_
4. How is a sponge useful in promoting personal hygiene?  
\_\_\_\_\_
5. Name any one delicate organ protected by the ribcage.  
\_\_\_\_\_
6. Why is wind said to be a renewable resource in the environment?  
\_\_\_\_\_

The diagram below is of a poisonous snake. Use it to answer questions **7** and **8**.

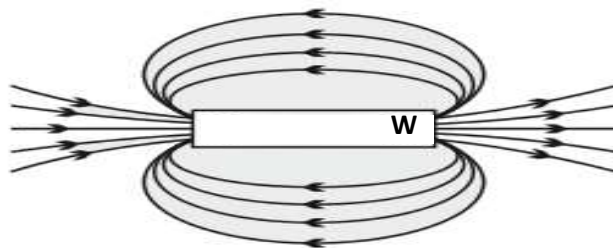


7. Name the part marked X.  
\_\_\_\_\_
8. Apart from puff adder, mention any other example of a snake that can be grouped together with the above type of a snake.  
\_\_\_\_\_
9. Which immunisable disease is characterized by skin rash, running nose and red eyes?  
\_\_\_\_\_
10. State the method of finding the volume of irregular objects.  
\_\_\_\_\_
11. Which element of primary health care (PHC) controls population growth?  
\_\_\_\_\_
12. Mention any one exotic breed goat kept for milk production.  
\_\_\_\_\_
13. Which mineral salt helps in the formation of strong bones and teeth?  
\_\_\_\_\_



14. State any one advantage of pruning crops.
- 
15. What first aid would you give to a child with burnt or scalded hand?
- 
16. Give the difference in units for measuring mass and weight.
- 
17. Mention any one raw material for the process of photosynthesis.
- 
18. Where does respiration take place in humans?
- 
19. Give any one danger of poor personal hygiene.
- 
20. Which method of grazing goats and sheep breaks the lifecycle of ticks?
- 
21. Name the deficiency disease caused by lack of Vitamin A in diet.
- 
22. State the method of heat transfer that enables a person to iron clothes.
- 
23. Name any one condition that can lead to fainting.
- 

The diagram below shows a property of magnets. Use it to answer questions **24** and **25**.



24. Name the magnetic pole W.
- 
25. Which property of magnets is shown in the diagram above?
- 
26. Name the productive part of a flowering plant.
- 



27. Give any one way of controlling bad smell in an ordinary pit latrine.

---

28. Write down any one characteristic of physical change.

---

29. How are house flies able to carry germs?

---

30. Apart from staking, give any other way of caring for a tomato plant.

---

31. Name any one immunisable disease prevented using DPT vaccine.

---

32. Mention any one device that changes electrical energy to sound energy.

---

33. State any one role played by a family in promoting Primary Health Care (PHC).

---

34. Why does an iron nail sink in water?

---

The diagram below shows an item used to promote personal hygiene. Use it to answer questions **35** and **36**.



35. Name the part marked M.

---

36. State the use of the item drawn above.

---

37. Name any one example of a long bone in the human body.

---

38. Which type of germination does the seed cotyledons remain underground?

---

39. State any one advantage of mulching the garden.

---

40. Give any one way a poultry farmer can control egg eating on a poultry farm.

---



## SECTION B (60 Marks)

41. a) Name any two types of poultry.

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_

b) Identify any two viral diseases that attack poultry.

- (i) \_\_\_\_\_ (ii) \_\_\_\_\_

42. a) Name the intestinal worms that enter the body through;

i) eating half cooked meat. \_\_\_\_\_

ii) penetrating the skin. \_\_\_\_\_

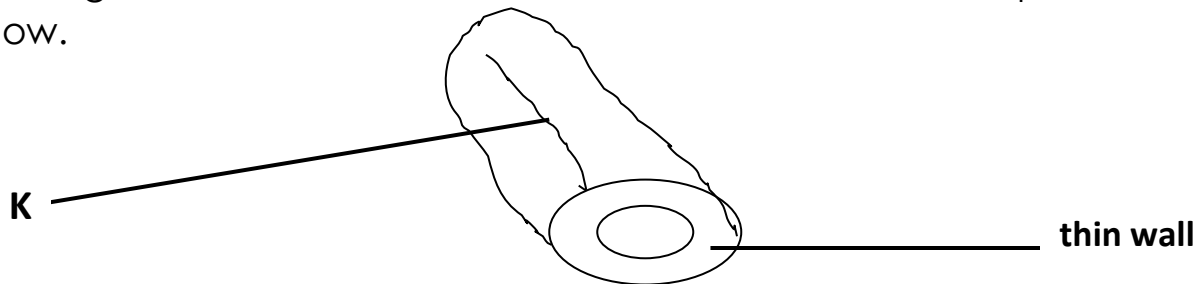
b) Give any one sign or symptom of worm infestation in humans.

\_\_\_\_\_

c) State one way of controlling worm infestation among human beings.

\_\_\_\_\_

The diagram below of a blood vessel. Use it to answer the questions that follow.



43. a) Name the blood vessel drawn above.

\_\_\_\_\_

b) State the function of the structures marked K.

\_\_\_\_\_

c) Apart from the above drawn blood vessel, name any other two blood vessels in the body.

- (i) \_\_\_\_\_ (ii) \_\_\_\_\_

44. a) Name the element of Primary Health Care (PHC) that is promoted by;

i) Bathing regularly \_\_\_\_\_

ii) Sweeping the compound \_\_\_\_\_

iii) Feeding on balanced diet \_\_\_\_\_

b) State any one principle of Primary Health Care (PHC).

\_\_\_\_\_



45. a) Mention any two examples of non-renewable resources.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) State two ways people use trees as resources.

i) \_\_\_\_\_

ii) \_\_\_\_\_

46.a) Name any two-insect vector s that spread diseases through bites.

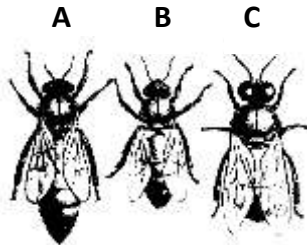
(i) \_\_\_\_\_ (ii) \_\_\_\_\_

b) Give two ways of controlling diseases spread by insects.

i) \_\_\_\_\_

ii) \_\_\_\_\_

47. The diagrams below show the different types of honey bees. Study and use them to answer questions that follow.



a) Name the types of bee marked A and C.

i) **A** \_\_\_\_\_ (ii) C \_\_\_\_\_

b) Give any two duties of the bee marked B in a beehive.

i) \_\_\_\_\_

ii) \_\_\_\_\_

48. a) Give the main reason why farmers keep each of the following.

i) Merino sheep \_\_\_\_\_

ii) Angora goats \_\_\_\_\_

b.) Apart from paddock grazing, mention any other two methods of grazing goats.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_



49. In the table below, part **A** shows blood components and **B** shows their functions. Study the table and complete it.

<b>Part A</b>	<b>Part B</b>
<b>Blood components</b>	<b>Function</b>
_____	Transports oxygen around the body
White blood cells	_____
Blood plasma	_____
_____	Helps in blood clotting

50. a) Name the type of germ that causes Polio.

\_\_\_\_\_

- b.) State any one effect of Polio to infants.

\_\_\_\_\_

- c.) Give two ways in which the spread of Polio can be controlled in a community.

i) \_\_\_\_\_

ii) \_\_\_\_\_

51. a) Mention two examples of voluntary muscles in the human arm.

i) \_\_\_\_\_

ii) \_\_\_\_\_

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

i) \_\_\_\_\_

ii) \_\_\_\_\_

52. a) Name the disease that results from deficiency of Vitamin C in the human body.

- b.) State any two signs of Vitamin C deficiency disease in humans.

i) \_\_\_\_\_

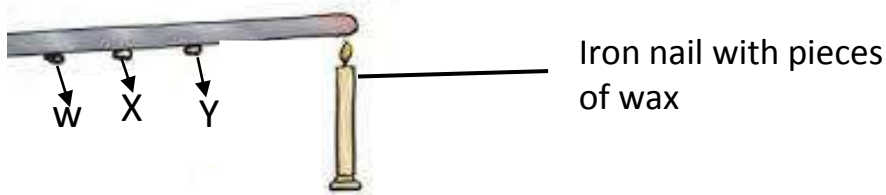
ii) \_\_\_\_\_

- c.) Give any one example of foodstuff rich in Vitamin C.

\_\_\_\_\_



53. The diagram below shows a method of heat transfer in matters. Study it and answer the questions that follow.



a) Name the method of heat transfer shown above.

\_\_\_\_\_

b) Identify the piece of wax that will melt;

i) First \_\_\_\_\_ (ii) Last \_\_\_\_\_

c) What is the importance of burning candle in the above experiment?

\_\_\_\_\_

54. (a) Name the group of vertebrates that have mammary glands.

\_\_\_\_\_

b.) Apart from the group of named in (54a) above, name any other two groups of vertebrates.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c.) How does a snake move from one place to another?

\_\_\_\_\_

55. Match the quantities in A with their meaning in B correctly.

**A**

Mass

volume

Density

Weight

**B**

- Space occupied by an object.

- Force an object exerts due to gravitational force.

- Mass per unit area of a substance.

- Quantity of matter contained in an object.





- i) Density \_\_\_\_\_
- ii) Mass \_\_\_\_\_
- iii) Volume \_\_\_\_\_
- iv) Weight \_\_\_\_\_

**~END~**

