



# THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD

## THE REAL VERIFIED UNEB BLUE PRINT ITEMS

### FOR PRIMARY LEAVING EXAMINATIONS

2023

### 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		

The Real Private Teachers' Voice Examinations Board 2023.

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## SECTION A (40MKS)

1. Give one example of a scavenging bird.  
\_\_\_\_\_
2. How is the habitat of a fish similar to that of a tadpole?  
\_\_\_\_\_
3. State any one condition that favours the multiplication of germs.  
\_\_\_\_\_
4. Give any one activity that involves the use of filtration.  
\_\_\_\_\_
5. What body condition that is caused by lack of water and mineral salts in the body?  
\_\_\_\_\_
6. State any one effect of drinking alcohol to the community.  
\_\_\_\_\_

**The diagram below shows two burning candles A and B. Use them to answer questions that follow.**



7. Which of the above two candles will stop burning first?  
\_\_\_\_\_
8. Name the gas that makes the above candle to stop burning.  
\_\_\_\_\_
9. Mention any one element of PHC that aims at controlling childhood killer diseases in a home.  
\_\_\_\_\_
10. How do bees conduct themselves in case of bad smell around the hive?  
\_\_\_\_\_
11. In which state of matter does heat travel by conduction?  
\_\_\_\_\_
12. Give any one way in gnawing mammals are harmful to farmers.  
\_\_\_\_\_
13. How important is the food value obtained from eating beans to our bodies?  
\_\_\_\_\_
14. What is the speed of sound in air?  
\_\_\_\_\_



15. State one disorder of the digestive system in the human body.

---

16. Why is it necessary to put coffee husks on the floor of a poultry house?

---

17. Give one way long hair can be a danger to one's health.

---

18. State one way in which malaria parasites can lead to poor working of the circulatory system.

---

19. In the diagram below, use an arrow to show self-pollination.



20. Give one factor that can lead to smoking among school children.

---

21. Which vector transmits river blindness?

---

22. How is the product obtained from merino sheep important to the fabric industry?

---

23. Give one similarity between a spider and a scorpion.

---

24. Suggest one way a primary school child can avoid catching HIV/AIDS.

---

25. How does application of animal dropping in a school garden improve soil fertility?

---

26. Name the part of a human ear responsible for changing sound vibrations into impulses.

---

27. Write one bad eating habit that can lead to choking after eating food.

---

28. How is the presence of tall grasses a danger in our environment?

---

29. Mention one example of a long bone in the human body.

---

30. Why is it difficult for a farmer to collect eggs and manure in free range system?

---



31. Give one use of moving air in the environment.

32. Name one solute used in preparation of local ORS.

33. Besides curling into a ball, state one other way in which a millipede protects itself from danger.

**Below is a soda bottle. Use it to answer questions 34 and 35.**



34. Name the gas in the space labelled W.

35. Why is the gas named in (34) above sealed off in soda bottles?

36. How best can a farmer make use of leaves obtained after pruning?

37. Give a reason why malaria is very common in the rainy season.

38. Name the first set of teeth to develop in human beings.

39. What is the function of a switch in an electric circuit?

40. Which component of first Aid Kit protects the First Aider against getting infections.

### **SECTION B (60 Marks)**

**41. Okello's temperature was normal in the morning. It rose by 20c at break time.**

a). Describe Okello's condition at break time.

b). What was Okello's body temperature at break time?

c). Name one disease that causes increase in body temperature.

d). Describe the First Aid for fever.



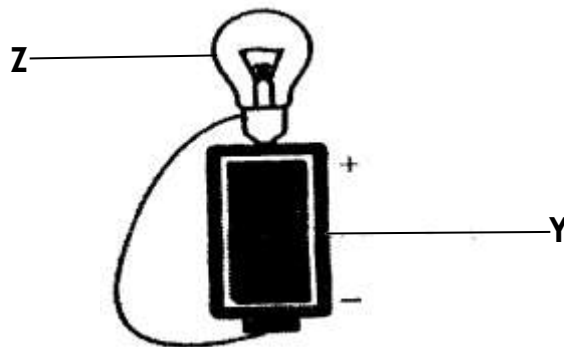
42. In the table below part P has the terms commonly used in sound and Q shows the meaning of the terms but in wrong order.

P: Term	Q: (Meaning)
Echo	Loudness or softness of sound
Pitch	Number of vibrations per second
Frequency	Repeated sound
Volume	Highness or lowness of sound

Select the statement from Q to match the following terms from P correctly.

- i). Echo \_\_\_\_\_
- ii). Pitch \_\_\_\_\_
- iii). Frequency \_\_\_\_\_
- iv). Volume \_\_\_\_\_

43. Use the diagram of an electric circuit below to answer questions that follow.



- a). Which form of energy is produced by **Y**? \_\_\_\_\_
- b). Indicate the flow of electricity on the diagram above. \_\_\_\_\_
- c). What energy change takes place in **Y** when the circuit is complete? \_\_\_\_\_
- d). State one factor that may fail part **Z** to light. \_\_\_\_\_

44.a). In one sentence, give the meaning of incubation as used in poultry management. \_\_\_\_\_

- b). Give two examples of poultry.  
 i) \_\_\_\_\_ (ii) \_\_\_\_\_
- c). Mention down one system of poultry keeping commonly used for commercial purposes. \_\_\_\_\_

- 45.a). Name the human body organ used for:  
 i) controlling blood sugar \_\_\_\_\_  
 ii) filtering blood \_\_\_\_\_



b). Give any two practices done to take care the body organs above.

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

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

46. a) Name two drugs of dependence commonly abused by people in your area.

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

b). Give one danger of the drugs of dependence you have named in (a) above.

\_\_\_\_\_

c). Suggest one way school children can avoid the temptation dependency.

\_\_\_\_\_

47. **Below is a diagram of a blood vessel. Use it to answer questions that follow.**



a). Name the blood vessel in the above diagram.

\_\_\_\_\_

b). Which type of blood is mostly transported by such blood vessels?

\_\_\_\_\_

c). Mention any two practices done to promote proper working of the blood vessels.

\_\_\_\_\_

48.a). Name any one group of organisms that reproduce by binary fission.

\_\_\_\_\_

b). How is movement in bacterium different from that of amoeba?

\_\_\_\_\_

c). Suggest two ways you can prevent bacteria from multiplying on food.

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

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

49. a). What is the main function of a flower on a plant?

\_\_\_\_\_

b). State briefly what the following parts will develop into after fertilization.

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

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

c). Give the scientific name for the anther heads and stamen of a flower.

\_\_\_\_\_

50. a). State the force that makes passengers seated in a moving car move forward after brakes are applied abruptly.

\_\_\_\_\_

b). What should be done by passengers controlling the effects caused by the force named in (a) above?

\_\_\_\_\_



c). Apart from the one above, mention down two other forces that affect work done by machines.

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

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

51. **Given a mushroom, yeast, fern and toadstool.**

a). Identify the organism that is:

i) used to bake bread \_\_\_\_\_

ii) poisonous to people \_\_\_\_\_

b) Which characteristic makes a mushroom unable to make food?

\_\_\_\_\_

c). Give a reason that can make a P.5 pupil eat toadstools yet they are poisonous.

\_\_\_\_\_

52. a). Identify a plant process that cools down most parts of a plant on a hot day.

\_\_\_\_\_

b). State any two factors that can affect the rate of the process in (a) above.

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

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

c). How do plants control the process named in (a) above?

\_\_\_\_\_

53.a). Name the form energy that causes evaporation.

\_\_\_\_\_

b). Give one use of the form of energy named in (a) above.

\_\_\_\_\_

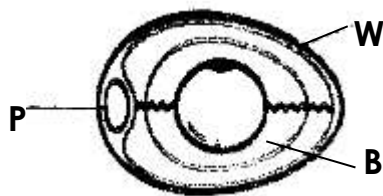
c). Why is a kink useful to a thermometer?

\_\_\_\_\_

d). Mention any one reason why mercury is used in a clinical thermometer.

\_\_\_\_\_

54. **The diagram below is of a fertilized egg. Use it to answer questions that follow.**



a) Name the part labelled **B**.

\_\_\_\_\_

b). Why is part labelled **W** porous?

\_\_\_\_\_

c). State the function of the part marked with letter **P**.

\_\_\_\_\_



d). On the diagram, using letter **X**, indicate the part which develops into a chick.

55. a). Give any two non – insect vectors.

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

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

b) In which way are insect vectors dangerous to man.

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

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

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