



THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD

THE REAL VERIFIED UNEB BLUE PRINT ITEMS

SUPPLEMENTARY EMERGENCY

FOR PRIMARY LEAVING EXAMINATIONS

2023

INTEGRATED SCIENCE (SET TWO)

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 method of soil formation.

2. State the major difference between vertebrates and invertebrates.

3. Which food nutrients replace worn out cells in the body?

4. How is an anemometer useful at a weather station?

5. Name the aquatic animal that helps in the control of malaria.

6. Which term is referred to as the highness or lowness of sound?

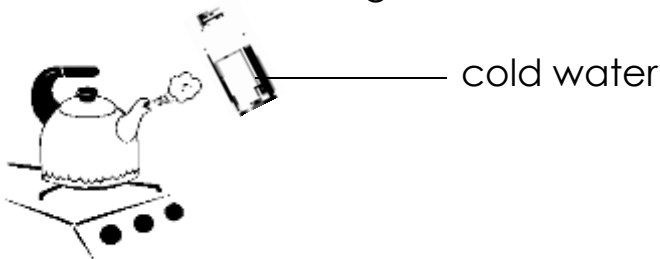
7. Give one use of a web to a spider.

8. Why is it not good to pour paraffin in a pit latrine?

9. Give one way canine teeth are suitable for tearing food.

10. Why does water pass through clay soil slowly?

11. The diagram below shows an experiment in a P.5 class. What natural process does the diagram below illustrate?



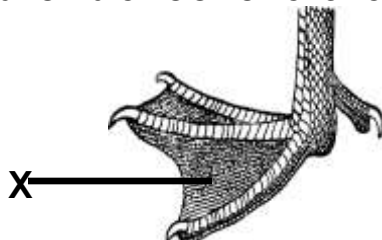
12. Of what importance is the bottle with cold water?

13. What do we call doctors who treat domestic animals?



14. How does debeaking of birds help to control egg eating?
-
15. What similarity exists between germination and rusting besides the use of oxygen?
-
16. Why is bush burning discouraged as a means of clearing land for agriculture?
-
17. State one bad habit that may affect the proper working of the digestive system.
-
18. Name the sense organ one can use to determine the texture of a cloth.
-
19. How is a coleoptile important in a germinating seed?
-
20. Which part of a human body does the same role as the anthers of a flower?
-
21. In which way is the fibre from sisal important to people?
-
22. How is a cold chain useful to a doctor?
-
23. Name any one part of air put in a bulb to prevent burning of the filament into ash.
-

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



24. How is part **X** useful to the birds with such a foot?
-
25. How is the bird with the foot above adapted to living in water apart from being able to swim?
-



26. In which way does a sweater keep our bodies warm during a cold weather?
-
27. Name the method of heat transfer that helps in rain formation.
-
28. How is heat important to a crop farmer?
-
29. Why does hot porridge put in a plastic cup take long to cool?
-
30. Mention one common characteristic among all floating objects.
-
31. How can a P.4 pupil identify a legume in the garden?
-
32. In which way is a barometer useful to people?
-
33. How has Covid-19 vaccination reduced the rate at which people die of Covid-19 infections?
-

The diagram below shows how food is prepared in our community. Use it to answer questions **34** and **35**.



34. Name any one food stuff prepared in that form in your community.
-
35. Why is the food above covered with leaves as shown in the diagram above?
-
36. Give the use of a proboscis to a culex mosquito.
-
37. Mention any one danger of natural changes in the environment.
-



38. State one other use of plants apart from being source of fuel.

39. Why is aluminium suitable for making aeroplanes?

40. Give the meaning of the term “**Contagious disease**”

SECTION B (60 Marks)

41. The diagram below shows a plant response towards a stimulus. Use it to answer questions that follow.



a). Name the type of tropism shown in the diagram.

b). Apart from the above response, name any two other plant responses towards some forces.

(i). _____

(ii). _____

c). Give the importance of the two responses above.

42. Study these classes of animals below and use them to answer the questions that follow.

A

Frog
Newt

B

Buffalo
Zebra

C

Alligators
Chameleon

a). Identify one feature that makes all the above groups similar.

b) How are animals in group in class **A** and **C** different from those in **B**?

c) How are animals in group **C** useful to people?

d) Name any other group of animals that has not been included in the list above.

43. a).Mention any one cause of teenage pregnancy in your community.

b) How can an adolescent girl prevent teenage pregnancy?

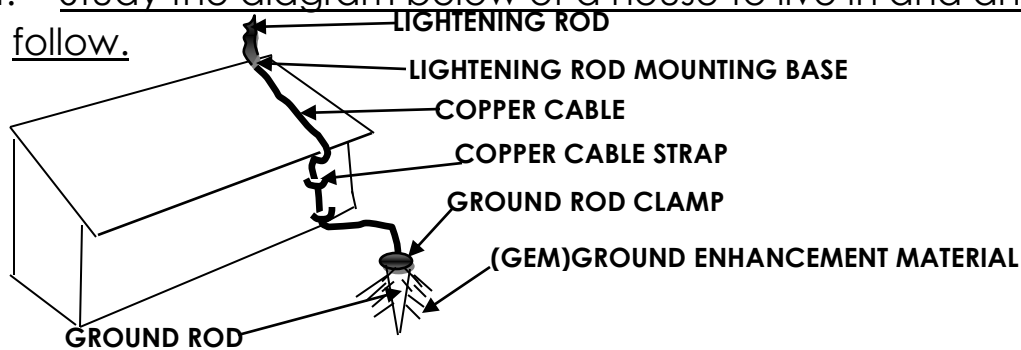


c). Give two effects of teenage pregnancy to an adolescent.

(i) _____

(ii) _____

44. Study the diagram below of a house to live in and answer questions that follow.



a) Why is the above device used on tall buildings?

b) Why are lightning rods made of copper or aluminium?

c) What is the use of the main conductor?

d) Apart from using the above device, give another way of preventing danger due to lightning.

45. a) Identify the type of reproduction in human beings.

b) What scientific name is given to the;

(i) Human male gametes? _____

(ii) Human female gametes? _____

c). Where does fertilization take place in the human body?

46. a) Give the difference between a sprain and a strain

b). State two signs of a sprain.

(i) _____

(ii) _____



c). Why is it good to clean the wound after getting a cut?

47. a) State two reasons why it is important to keep our bodies clean.

i) _____

ii) _____

b.) Give two diseases which result from poor personal hygiene.

(i) _____ (ii) _____

48. State the danger of swallowing improperly chewed food.

b). Which disorder of the digestive system requires surgical operation to correct it?

c). Name two parts of the alimentary canal of people which do not play any role in its working.

(i) _____ (ii) _____

49. a). State the units in which temperature is measured.

b). Write down one scale in which temperature can be read.

c). How is a clinical thermometer important to a school nurse?

d). State the normal human body temperature of a person in Fahrenheit.

50. a) Which type of clouds shows signs of fair weather?

b). How are nimbus clouds important to the environment?

c.) State any two importance of clouds to the environment.

(i) _____

(ii) _____

51. **Match the vitamin in A with its importance in B.**

A

(i). Vitamin A

(ii). Vitamin B1

(iii). Vitamin C

(iv). Vitamin D

B

for strong skin membrane

for proper mental health

for strong bones and teeth

for good night vision



(i). Vitamin A

(ii). Vitamin B1

(iii). Vitamin C

(iv). Vitamin D

52. (a) Name the component of soil which helps plants to make their own food.

b.) How is air important to animals which live in soil?

c.) How is water as a component of soil important to planted seeds?

d). Give the component of soil which is obtained from decayed matter.

53. a). Why is a glass grouped under sinking objects?

b). Apart from a glass, give any other two examples of sinking objects.

(i) _____ (ii) _____

c). Name the force which enables objects to float on water.

54.a). Give the meaning of the term "**soil erosion**"

b). Mention any two agents of soil erosion.

(i) _____ (ii) _____

c). How is mono-cropping different from over cultivation?

55.a). Name the micro-organisms that cause trachoma.

b). Give one reason why trachoma is called a communicable disease.

c). State any two ways of controlling the spread of trachoma in the community.

(i) _____

(ii) _____

STAY REAL. GOOD LUCK

