



**THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD**  
**NEXT TO PRIMARY LEAVING EXAMINATIONS – 2022**  
**THE VERIFIED UNEB BLUE PRINT ITEM (SIX)**

**INTEGRATED SCIENCE**

*Time allowed: 2 Hours 15 Minutes*

BASED ON  
THE  
PRIMARY SCHOOL  
ABRIDGED CURRICULUM  
FOR UGANDA

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 2022.**

Tel: 0782-927840/0704-816448/0741-126776

**REAL PRIMARY LEAVING EXAMINATIONS 2022**

Rely on us for weekly, monthly, Beginning of term, midterm and End of term tests. Pre-mocks, Mocks and Pre-PLE Examinations.

**OUR PROMISE** We are here to ease P.L.E for you. We are ready to **SERVE** you till the last minute.

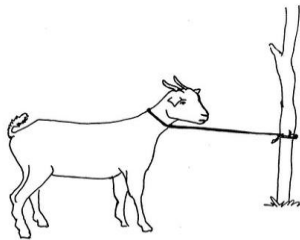
**We are Approachable, Reliable and Affordable**



## SECTION A (40MKS)

1. Name one poisonous gas in tobacco.  
.....
2. Why should a child suffering from scurvy be given a lot of oranges?  
.....
3. Write down activity done by a bee keeper to tame bees before honey harvesting.  
.....
4. How is cochlea useful in the process of hearing?  
.....

**Below is a method of grazing goats. Study it carefully to answer questions 5 and 6.**



5. Name the method of grazing shown above.  
.....
6. Why do most rural farmers in Uganda prefer the method shown above?  
.....
7. State any one reason why it is important for the government to make COVID – 19 vaccination exercise free of charge.  
.....
8. How is a crested crane adapted to live in its environment?  
.....
9. What role is played by oxygen during the process of seed germination?  
.....
10. Give one way mammals are different from other vertebrates.  
.....
11. Give the vaccine given to girls at child bearing age.  
.....
12. Mention down any one factor that affects the rate of transpiration in plants.  
.....
13. Why should farmers keep their bee hives under shade?  
.....
14. Give one way in which short circuit can be dangerous.  
.....

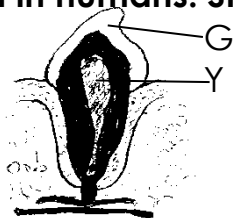


15. Mention any one dairy breed of cattle.

16. Why should weather instruments be put in an open place?

17. Name the digestive juice produced in the mouth.

**Below is a type of tooth in humans. Study it to answer questions 18 and 19.**



18. How important is part **G** on a tooth?

19. State one adaptation of the tooth above to its function.

20. Give any one antisocial behaviour in the society.

21. Why are ventilators placed above doors and windows on a house?

22. Give a reason why the beak of a sun bird is long slender and slightly curved.

23. What name is given to the practice of growing crops together with crops on the same piece of land?

24. Of what importance are fangs to a poisonous snake?

25. By what process does paraffin move up the wick?

26. What important process takes place in cortex of a kidney?

27. State the difference between **cohesion** and **adhesion**.

28. How are the finger like structures in the ileum adapted to their function of absorbing food?

29. State one reason why blood is pumped to the lungs before it goes to other parts of the body.



30. In which way is food digestion important to the body?  
.....
31. Why is the shell of an egg porous?  
.....
32. State one effect of freezing to water.  
.....
33. How is fish able to live in water?  
.....
34. Give a reason why a bottle will produce high sound after adding large volume of water in it.  
.....
35. What role is played by a water body in the rain cycle?  
.....

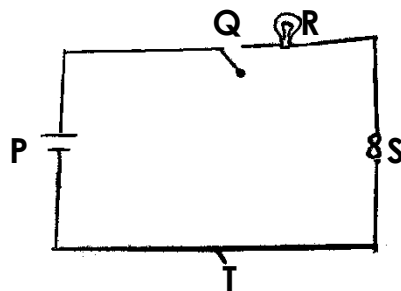
**Below is a machine. Study it carefully to answer questions 36 and 37.**



36. Why is the above machine called a second class lever?  
.....
37. Indicate the position of the **pivot** with letter "**F**" on the diagram above.
38. How does prolonged diarrhoea lead to dehydration in humans?  
.....
39. In which way is a white blood cell able to defend the body against disease germs?  
.....
40. Apart from moss and fern, mention one other spore bearing plant.  
.....

### SECTION B (60 Marks)

41. **The diagram below is an electric circuit. Study it carefully to answer questions that follow.**



- (a) Name the part labelled **S**.  
.....
- (b). What energy change takes place at **R** when **Q** is closed?  
.....



(c). State the function of part **Q**.

(d). How is part **S** and **Q** similar in function?

42. a). What name is given to a mixture of two or more metals?

b). Give one example of common mixture of metals.

c). Give two reasons why mixtures of metals are made.

(i) .....

(ii) .....

43. a). Name the type of skeleton possessed by each of the following organisms.

(i) frog.....

(ii) earthworm .....

(iii) grass hopper .....

b). Why do some organisms moult?

44.a). Who is a first aider?

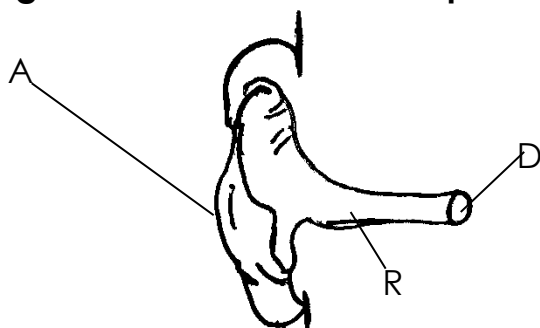
b). State the main function of giving first aid.

(c). Give any two qualities of a first aider.

(i) .....

(ii) .....

45. Study the diagram below and answer questions that follow.



(a).Name the parts labelled **A** and **D**.

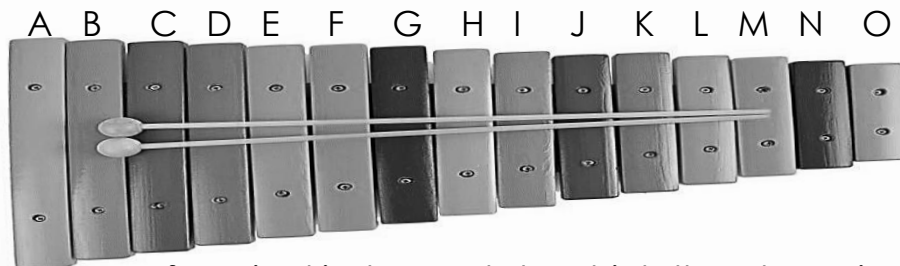
(i) A ..... (ii) B .....

(b). State the function of the part labelled **R**.

(c). Besides hearing, state another function of the ear to the human body.



46. The diagram below shows a musical instrument. Study it carefully and answer questions that follow.



a). Name the group of musical instruments to which the above instrument belongs.

.....

(b). Which letter represents the wooden bar that will produce the highest pitch when hit?

.....

c). Give a reason to support your answer in **(b)** above.

.....

d). Give one way in which music played on the above instrument can be stored.

.....

47. a). State one way cattle keeping can promote the leather industry.

.....

b.) How is dipping cattle in a carricides useful to a cattle farmer?

.....

c.) Briefly explain the following as used in cattle management.

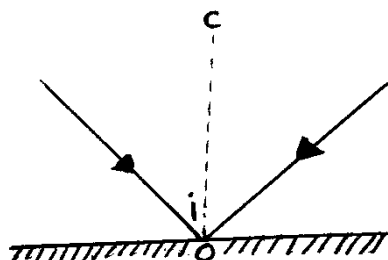
(i). cross breeding .....

.....

(ii). in – breeding .....

.....

48. The diagram below shows reflection of light. Use it to answer questions that follow.



(a). Name the line **CO**.

.....

(b). Calculate the size of angle **i**.

.....

(c). Use letter **x** to show the reflected ray.

(d). How is light important in our daily life?

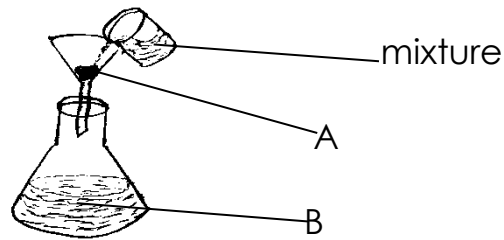
.....



49. a) Name one poisonous fungi.  
 .....  
 (b) Apart from baking bread, give any other way in which yeast is useful to people.  
 .....  
 (c) How does yeast differ from other fungi.  
 .....  
 (d) How do most fungi feed?  
 .....
50. a). What is photosynthesis?  
 .....  
 b). Give any two raw materials for photosynthesis to take place.  
 (i)..... (ii).....  
 (c). Which gas is given off during photosynthesis.  
 .....
51. a). How are lungs important in the body?  
 .....  
 b). In which part of the lungs does the exchange of gasses take place?  
 .....  
 c). Which gas is given out in large quantities?  
 .....  
 d). How are lungs adapted to their function?  
 .....
52. (a). What is Primary Healthy Care?  
 .....  
 .....  
 .....  
 b). State one principle of Primary Healthy Care.  
 .....  
 .....  
 c). Mention two other immunisable diseases apart from the eight childhood ones.  
 (i)..... (ii) .....
53. a). What is castration?  
 .....  
 (b) Give any two reasons why farmers castrate their animals.  
 (i).....  
 (ii) .....  
 (c). Give one disadvantage of castration.  
 .....



54. The diagram below shows a method of separating mixtures. Study it carefully to answer the questions that follow.



a). Name the substance marked **A** and **B**.

(i) A..... (ii) B.....

b). What would happen to someone if he drunk water collected at **B**?

.....

c). Give a reason to support your answer in **(b)** above.

.....

55. Give one example on each:

(i) flying mammals .....

(ii). Rodents .....

(iii). Sea mammals .....

(iv). hoofed mammals .....

**THE SIDES OF SUCCESS ARE VERY STEEP BUT EASY TO CLIMB**

