



**THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD**

**THE REAL NEXT TO PRIMARY LEAVING EXAMINATIONS**

**THE REAL SPECIAL MOCK TRIAL SET ONE - 2023**

**INTEGRATED SCIENCE**

*Time allowed: 2 Hours 15 Minutes*

BASED ON  
THE  
PRIMARY SCHOOL  
ABRIDGED CURRICULUM  
FOR UGANDA BG42

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.**

**Calls: 0763-499772/0704-816448 Payments: 0706-229169 Whatsapp 0703-495592**

**REAL UNEB (PLE) BLUE PRINT ITEM 2023**

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

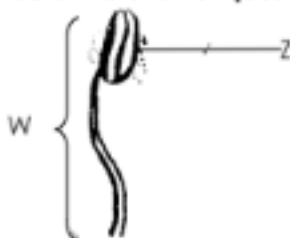
**OUR PROMISE** We are here to ease P.L.E for you. We are ready to **SERVE** you till the last minute



## SECTION A (40MKS)

1. Name the vector that spreads elephantiasis.  
.....
2. In which one way is the process of transpiration useful in the environment?  
.....
3. Write down any one principle of PHC.  
.....
4. Why is a goat regarded as a herbivore?  
.....
5. Give one way in which a granary can be constructed.  
.....
6. State the best method of controlling the spread of HIV/AIDS among married couples.  
.....

Use the parts of a flower below to answer questions 7 and 8



7. Give the collective name given to **W**  
.....
8. State the function of part **Z** to the above part of a flower.  
.....
9. How is an arm sling useful to a victim with a fracture?  
.....
10. What plant system develops from the plumule?  
.....
11. Name the type of soil with the highest capillarity.  
.....
12. State one way shadows are important to people.  
.....
13. Give the process in humans that uses the end product of digestion of carbohydrates to take place.  
.....



14. How is the vaccine for measles administered?

15. Which part of a VIP latrine provides privacy to the user?

16. State the type of change that is prevented by painting iron metals.

17. Why do people slash bushes around their homes?

**Below is a diagram of a tooth. Use it to answer questions 18 and 19.**



18. Name the type of tooth shown in the diagram above.

19. State the main importance of the above tooth in humans.

20. Give one way wool is harvested from merino sheep.

21. Name the mineral salt that increases the amount of blood in the human body.

22. Write **ORS** in full.

23. State the effect of tobacco smoke to the unborn baby.

24. How does the practice of wearing mask control the spread of COVID – 19?

25. State the type of cattle that provide farm labour.

26. Give one way the practice of breast feeding is beneficial to a married woman.

27. State any one danger of floods in the environment.

**Below is a bean seed. Use it to answer questions 28 and 29.**



28. Name the part labelled **O**.  
.....
29. How is part labelled **B** important to the seed embryo?  
.....
30. To which body system does the human heart belong?  
.....
31. State the type fertilization where a male sheds sperms on the egg outside the female body.  
.....
32. How does gravity force affect objects thrown in air?  
.....
33. Why is budding important process in yeast?  
.....
34. Name the substances in the human body that speed up the process of chemical digestion.  
.....
35. State one thing that happens to air in the nose of a human being.  
.....

**Below is an envelope containing drugs. Use it to answer questions 36 and 37.**

**Panadol**  
**"2 x 3"**

36. What name is given to the information above?  
.....
37. How is the written information shown above important in the treatment of diseases?  
.....
38. State the gestation period of a female rabbit.  
.....
39. Give one way soil is beneficial to termites.  
.....
40. Which body organ regulates the sugar in the body?  
.....

**SECTION B (60 Marks)**

41. a).What is crop rotation?  
.....
- (b).Give two advantages of crop rotation.  
(i).....  
(ii).....



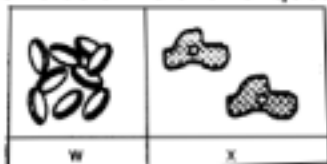
(c). How does crop rotation control crop pests?

42. In the table below list A has the methods of animal breeding and B has the meanings but in wrong order.

A	B
In breeding	Mating of different pure animal breeds.
Cross breeding	Mating of different families of the same breed.
Line breeding	Mating of closely related animals.
Out breeding	Mating distantly related animals with common ancestors.

Select the meaning from B to match the methods of cattle breeding below.

- (i) In breeding .....  
(ii) Cross breeding .....  
(iii) Line breeding .....  
(iv) Out breeding .....
43. Use the blood components below to answer questions that follow.



- (a). Name the diseases that commonly attacks the blood components marked **W** and **X**  
(i) **W** ..... (ii) **X** .....  
(b). State the function of the blood components marked **W** and **X**  
(i). **W** .....  
(ii). **X** .....
44. a). How does smoking affect the respiratory system of a human being?

- (b). Name the non communicable disease that damages the human lungs.  
(c) State one way how inhalation may affect the following parts of the respiratory system.  
(i) diaphragm .....  
(ii) rib cage .....

45. a). Where in the alimentary canal do worms commonly live?  
(b) How do tapeworm infestation affect proper working of the digestive system?



(c). Mention down any two ways of controlling tape worm infestation.

(i) .....

(ii) .....

46. (a). Mention down one situation under which one may use displacement method.

.....

b). How is a measuring cylinder adopted to its function?

.....

(c). In which units is volume measured?

.....

(d). Apart from a measuring cylinder, which other instrument can one use to find the volume of an irregular object?

.....

47. Below is an equipment used when putting out fire. Use it to answer questions that follow.



(a). Name the equipment above

.....

(b). Why should schools have such an equipment?

.....

(c). Why is the above equipment painted with bright colours?

.....

(d). Name the gas found in the above equipment.

.....

48. a). Name the equipment in the first aid kit used to stitch bandages together.

.....

(b). Identify any two places where a First Aid box can be found.

(i) .....

(ii) .....

(c). Why should a First Aider be knowledgeable?

.....

49. a). In which way are wing like structures important to wind dispersed seed?

.....

b). What structures on the black jack seeds enable them to easily get dispersed by animals?

.....



c). Give one way in which the structure in (b) above enable animals to disperse such seeds.

d). Why should seeds be dispersed?

50. (a). Identify a natural process in plants that uses;

(i) oxygen

(ii) carbon dioxide

(b). State one biological change in plants.

(c). Give one way biological changes are important to plants.

51. (a). Name any two sources of heat.

(i) (ii)

b). How does heat from the sun conserve the environment?

(c). In which way does heat from the sun degrades the environment?

52. (a). What do we call a farm of bees?

b). Name two types of bees

(i) (ii)

(c) Why do bees collect propolis?

53. a). Apart from plants, give any other two examples of renewable resources in the environment.

(i) (ii)

(b) Why are plants grouped under renewable resources?

(c) How does the use of clay lined charcoal stoves conserve the environment?

54. The diagram below shows a method of making alcohol. Study it carefully to answer questions that follow.



a). Name the method shown above.

b). Identify the physical processes taking place at A and B.

(i) A (ii) B



c). Give a scientific name for liquid X.

55. Below are steps used during the preparation of oral rehydration solution but in a wrong order.

- i) measure one litre of clean boiled water
- ii) stir until the two dissolve.
- iii) wash hands with clean water and soap.
- iv) Measure one levelled spoon of salt and eight levelled teaspoonful of sugar.

Re arrange the above sentences in the space provided below correctly;

- i) .....
- ii) .....
- iii) .....
- iv) .....

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