



**THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD**  
**THE REAL NEXT TO PRIMARY LEAVING EXAMINATIONS**  
**THE REAL SPECIAL MOCK TRIAL SET TWO - 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-PLE Examinations.

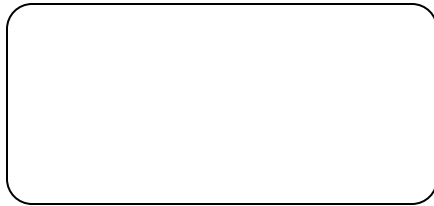
**OUR PROMISE** We are here to ease P.L.E for you. We are ready to **SERVE** you till the last minute

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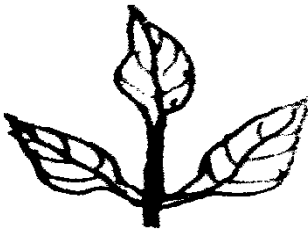


## SECTION A (40MKS)

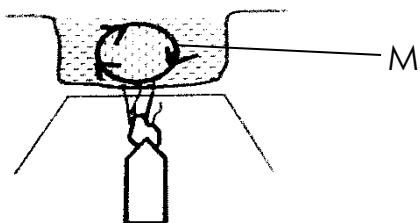
1. Which part of a flower attracts insect pollinators?  
.....
2. Why do earth worms come out of the ground after it has rained?  
.....
3. Where in the body is pivot joint located?  
.....
4. Give one reason why we eat food?  
.....
5. What is the main cause of fainting?  
.....
6. Draw a symbol for a switch as used in electricity.



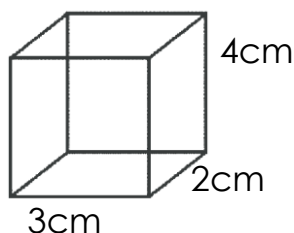
7. In which system of poultry keeping are birds left to move freely and look for their own food?  
.....
8. An object has a volume of **12cm<sup>3</sup>** and a mass of **6gm**. Find its density.  
.....
9. Which component of blood helps to fight against disease causing germs?  
.....
10. Why do some plants shed off their leaves during the dry season?  
.....
11. Below is an illustration of a compound leaf. Name it



12. What scientific name is given to mean the removal of top soil from one place to another?  
.....
13. Where in the digestive system does food absorption take place?  
.....
14. Name one cattle disease spread by ticks.  
.....
15. Of what importance is a dustbin in a home?  
.....
16. Suggest one reason why grooming of finger nails should be observed among school going children.  
.....
17. How does a new drum produce sound?  
.....
18. State the gestation period of a ewe.  
.....
19. Name the part of the ear that collects sound waves from the environment.  
.....
20. Why should windows and doors be placed on a house?  
.....
21. **Below is a saucepan with water boiling.** Name the process marked **M**.



22. How do mushrooms reproduce?  
.....
23. In which way does bush burning lead to soil erosion?  
.....
24. **Below is a box. Find the volume of water it can carry.**



25. Why do people repairing electricity put on gloves?  
.....



26. How is a fire extinguisher of importance in a school?  
.....
27. In which state of matter is smoke?  
.....
28. Why are magnets of importance to a medical doctor?  
.....
29. Give any one method of keeping pigs in Uganda.  
.....
30. Mention any one use of green leaves to a plant.  
.....
31. State the difference in function between a rake and a spade.  
.....  
.....
32. In which type of germination do the cotyledon move above the ground?  
.....
33. What is a magnet?  
.....

34. **Below is a lever system.** Name part **P**.



- .....
35. By the help of an arrow, indicate the direction of the effort at point **K**.
36. Of what importance is the cranium to the human body?  
.....
37. Give one example of a plant with prop roots apart from roots.  
.....
38. Name the part of a bean seed that stores food.  
.....
39. Why do we need to bathe daily?  
.....
40. Mention any one type of soil you know.  
.....

### SECTION B (60 Marks)

41. a).What is smoking?  
.....
- (b).Give two reasons why people smoke.  
(i).....



(ii).....

(c). Which organ is affected severely by excessive smoking?

42. a). Suggest any two ways soil erosion can be controlled.

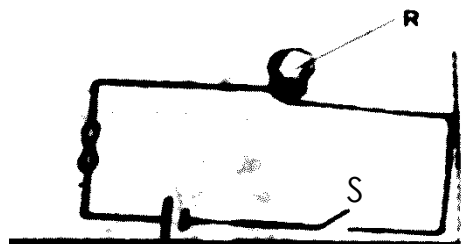
(i) .....

(ii) .....

(b) Give two agents of soil erosion.

(i) ..... (ii).....

43. Below is an electric circuit. Study it and answer questions that follow.



(a). Name part marked **R** in the diagram above

(b). State what will happen to part **R** if part **S** is closed.

(c). Give a reason for your answer in (b) above.

(d). How does a fuse work?

44. a). Why are bees called “**social insects**”?

(b). What term is used to mean insects that do not live and work together?

(c) State one reason why people have started rearing bees on a large scale.

(d) Why do bees visit flowers?

45. a). Define the term First Aid.

(b) Give two reasons why first aid is given

(i) .....

(ii) .....

(c) Of what importance is a stretcher in giving first aid?

46. (a). Name the body organ that allows the following process to take place.

(i) Blood getting oxygen .....

(ii) Filtration of urine .....

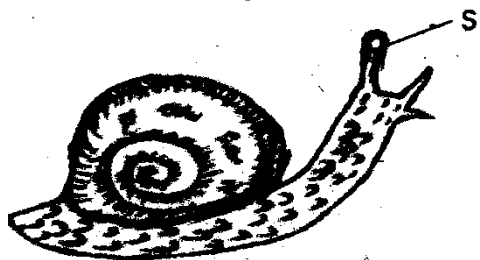


b). How are the following blood components useful in the body?

(i) Red blood cells .....

(ii). Platelets .....

47. **Below is a vector. Study it and answer the questions that follow.**



(a). Name the vector above.

(b). How is part **S** important?

(c). State the habitat for the vector above.

(d). How does the above vector protect itself against its enemies?

48. a). What does shearing mean in sheep rearing?

(b). Mention any one disease that affects both human beings and sheep.

(c). State any two products from sheep.

(i) ..... (ii) .....

49. **A P.5 class mixed sugar and salt in water and stirred.**

a). What do you think happened to sugar and salt?

c). What term do we use to describe a mixture?

d). Write short notes about the following.

(i) Saturated solution .....

(ii). Super saturated solution .....

50. (a). How are the following joined up in the body?

(i) Bone to bone .....

(ii) Bone to muscle .....

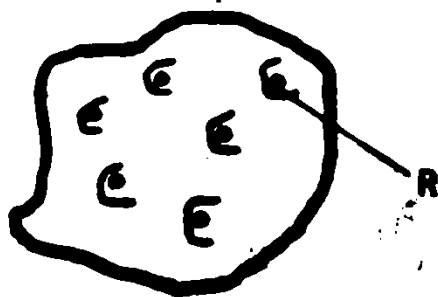
(b). What substance helps to reduce friction in between joints?

(c). Where in the body is a hinge joint found?

.....



51. Use the diagram of an Irish potato below and answer the questions about it.



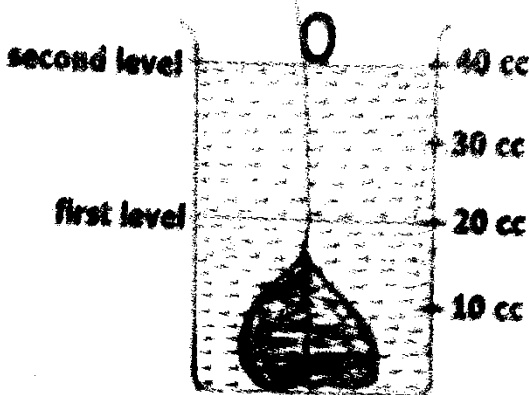
a). Name part labelled **R**.

(b). How is part **R** useful to the Irish potato?

c). To which group of plants does an Irish potato belong?

d). Apart from an Irish potato, give one other example of the plant that belongs to a group named in (c) above.

52. Below is a method of finding volume, study it and answer the questions that follow.



a). Name the method used above.

(b) Identify part **Q**.

(c). Find the volume of the object. (2mks)



53. a). Define the term “drug prescription”

.....  
.....

(b) Give three reasons why it is not advisable to buy drugs from local shops.

(i) .....

(ii) .....

(iii) .....

54. a). Which immunisable disease is immunized by putting a drop in the mouth?

.....

b). Apart from the disease named in (a) above, give any other three examples of immunisable diseases.

(i) .....(ii) .....

(iii) .....

55. **Describe an experiment to prove that water can exist in all the three states of matter.**(4mks)

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