



**THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD**  
**SPECIAL PRIMARY LEAVING MOCK EXAMINATIONS – 2022**  
**THE PLE ITEM BLUE PRINT**  
**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                 |       |      |
| <b>TOTAL</b>            |       |      |

**The Real Private Teachers' Voice Examinations Board 2022.**

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

**PRIMARY LEAVING EXAMINATIONS BLUE PRINT**

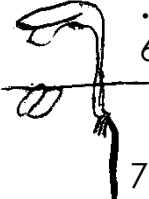
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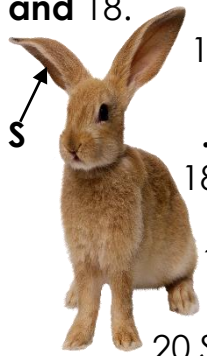


## SECTION A (40MKS)

1. Name one sterile bee in a hive.  
.....
  2. Give any one way the use of charcoal burning as fuel degrades the environment  
.....
  3. Which class of food adds bulk to the food?  
.....
  4. Mention one disease of pigs whose spread is controlled by quarantine put the government .  
.....
  5. Name the type of germination shown below.  
.....
- 
6. Give any one practice that protects the human skin against contracting scabies disease.  
.....
  7. How does over consumption of alcohol lead to mental confusion among alcoholics?.....
8. Name the method of farming where bush is allowed to grow on land after cultivating for a long time.  
.....
  9. What energy change takes place immediately a ball is kicked by a footballer?  
.....
  10. State one way bacteria promotes proper growth of crops in the garden.  
.....
  11. Which part of a movable joint has a similar function as grease in moving parts of a machine?  
.....
  12. How is the feeding mode of a hyena similar to that of a vulture?  
.....
  13. Apart from spraying, state any other way livestock farmers can control external parasites in their animals.  
.....
  14. State one reason why it is advisable to have a young farmer's club in a school.  
.....
  15. Where in the male human body does production of male gametes take place?.....
  16. Write down one activity done by a honey harvester to avoid being stung by bees?.....



Study the diagram below about a certain animal and use it to answer question 17 and 18.



17. What name is given to the manufactured food used by farmers to feed the animal shown in the diagram?

.....  
18. Name the part of a fish whose function is similar to the part marked on the diagram. ....

19. In which way is transpiration process in plants similar to dehydration in humans? .....

20. State one common characteristic of cold blooded animals.  
.....

21. Give one way bushy compounds lead to mosquito bites.  
.....

22. Name the body condition that results in sudden violent body movement of a victim. ....

23. Why does a snake move while its tongue is out?  
.....

24. State one way radiation from the sun regulates one's temperature in the morning. ....

25. Write any one factor that leads to reduced egg production on a poultry farm.  
.....

26. Why is it advisable to use well insulated wires to carry electricity?  
.....

27. Give the best way married couples can avoid the spread of HIV/AIDS among themselves.  
.....

28. In which way is the shadow and echo similar in the way they are formed?  
.....

29. State a reason why deoxygenated blood from the body should come back to the heart.  
.....

30. State one negative effect of uncontrolled large cut down of trees to the environment.  
.....

31. Why is it hard to separate pins mixed iron fillings using a magnet?  
.....

32. Name the immunisable disease that has the following signs: vomiting blood, clay coloured faeces, dark brown urine and yellow eyes.  
.....

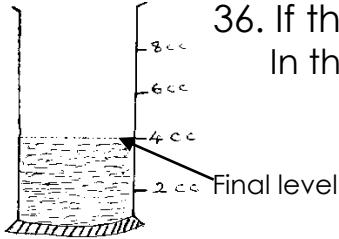
33. Identify one process in plants that helps to purify air in the environment.  
.....



34. How is Panadol tablets important to people with headache?  
.....

35. Give one healthy life style that refreshes the human brain.  
.....

**The diagram below is of a measuring cylinder with water. Study and use it to answer question 36.**



36. If the volume **2cc** is to be immersed in the water, draw water in the cylinder showing the final level after putting in a stone.

37. State the property of air that helps children to fly kites.  
.....

38. Suggest one way people can safe guard themselves against the effects of lightning.  
.....

39. State the breathing mechanism demonstrated by the movement of human ribs upwards and outwards.  
.....

40. Name the body organ that helps in cooling the human body when one is from doing vigorous exercises.  
.....

**SECTION B (60 Marks)**

41. a).Mention down any two diseases that may attack the body due to poor sanitation.  
.....

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

(b). What body condition may result from the attack of the disease in (a) above.  
.....

(c). How can the condition mentioned in (b) above be treated.  
.....

42. **Study the table below carefully and use it to answer the questions that follow.**

| A          | B                    | C         |
|------------|----------------------|-----------|
| scorpion   | salamander           | turtle    |
| chimpanzee | duck billed platypus | lizard    |
| dolphin    | tilapia              | alligator |

a). State one characteristic common to all animals in list **A**.  
.....

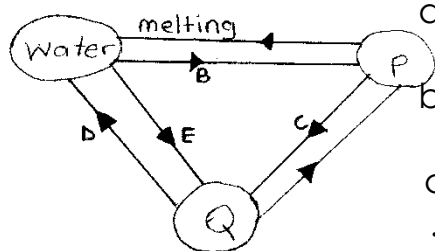


b). Which animal in list **C** has a different body structure from the rest?

c). Why are animals in list **B** and **C** grouped together?

d). In which way is the body temperature of a duckbilled platypus different from that of other animals in list **B**?

43. The diagram below shows an illustration of changes of states of matter. Study it to answer questions that follow.



a). Name the processes **B** and **C**.

(i) **B**..... (ii) **C**.....

b). Which of the processes takes place in the absence of heat? .....

c). State one natural process that involves process **D** and **E**.

44. a). Why kidneys regarded as excretory organs?

b). Name two waste products excreted by the kidney.

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

c). Describe the importance of medulla in the kidneys.

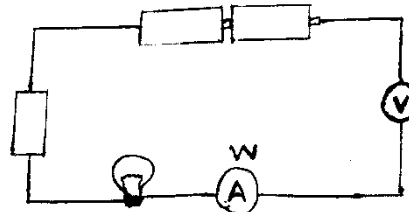
45. a). How is sound energy useful to the teacher on school assembly?

b). How will the children on assembly be able to hear the teacher?

c). How can echoes be minimized inside theatre halls?

d). Distinguish between pitch and volume of sound.

46. Study the diagram below of a simple circuit and answer the questions that follow.



a). Name the parts labelled **W** and **Z**.

i) **W**..... (ii) **Z**.....

b). Give the importance of the parts below.

(i) **W**.....

(ii) **Z**.....

47. a). Give one eye non-communicable disease.

b.) Give two ways how communicable diseases spread.



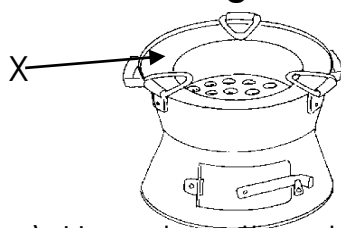
- (i).....
- (ii).....
- c). Why is kwashiorkor called a non-communicable disease?

48. a). What is drug prescription?

b). In which two ways is drug prescription important in the treatment of the sickness?

- (i).....
- (ii).....
- c). State one effect of drug over dose to the patient.

49. **The diagram below shows an energy saving stove. Study it to answer questions**



a). Name the part labelled X.....

b). Give two reasons why the stove above is preferred by many In cooking.

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

c). How does the above stove conserve trees in the environment?

50. a)Name the best soil for construction.

b).Apart from crop growth, give any other two uses of soil to people.

- (i).....
- (ii).....
- c.)Which process of soil formation is an example of a chemical change?

51. a). Write two stages of food production in a village food path.

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

b). Give two blocks of village food path.

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

52.(a)Why do veins have thin walls?

b.)What type of blood vessels carry blood towards the heart?

c). Write two functions of blood in the body.

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

53. a). Name the part of fish used to:

- (i) change direction in water .....
- (ii) take dissolved oxygen .....



b). State two industries that are promoted by the products from fish.

(i).....

(ii).....

54. a). Give the scientific term used to mean the scattering of seeds from the parent plant.

.....

b). Give two ways plants benefit from the scattering of seeds from a parent plant.

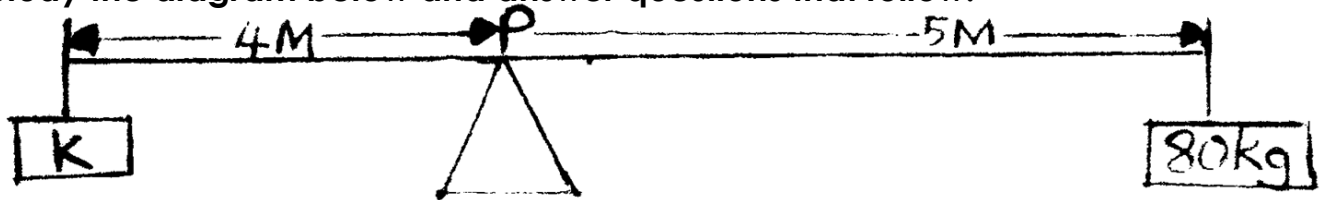
(i).....

(ii).....

c). State one characteristic of seeds dispersed by wind.

.....

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



a). To which class of levers does the above machine belong?

.....

b). Calculate the value of **K**. (2 marks)

c). Apart from the one above, mention down one other machine that belongs to the same class as shown above.

.....

**STAY REAL. GOOD LUCK**

