



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

**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**

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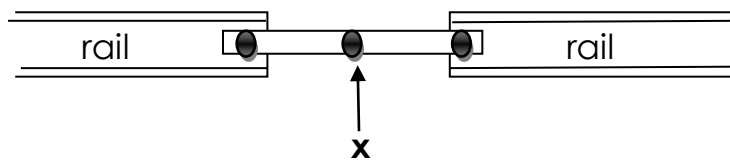
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## SECTION A (40MKS)

1. Name the larva stage of a mosquito.  
.....
2. Besides being vertebrates, state one other similarity between humans and chicken.  
.....
3. Write **DPT** in full.  
.....
4. Give one example of a biological change in animals.  
.....
5. How does the wearing of masks prevent the spread of CORONA VIRUS?  
.....
6. Why are cattle farmers unable to get off springs from castrated bulls?  
.....
7. Write down one health habit that is most important in the control of skin diseases.  
.....

**Study the diagram below and answer questions 8 and 9.**

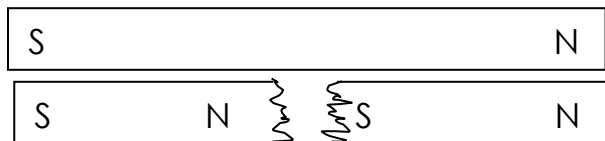


8. In which weather condition do the rails appear as shown above?  
.....
9. Why is the space marked **x** left between the rails?  
.....
10. When should one wear sun glasses?  
.....
11. How does oil poured over stagnant water kill the larva stage of a mosquito?  
.....
12. Of what importance is a web to a spider?  
.....
13. What first aid can you give to a person with a foreign body in the eye?  
.....
14. Give any one organ commonly affected by alcoholism.  
.....
15. Which common characteristic makes a tick and a mite to be grouped together as arachnids?  
.....



16. Why does ice float when placed on water?

Below is a bar magnet that was cut into two pieces. Use it to answer question 17.



17. State the property of magnets shown above.

18. Give the importance of umbilical cord during pregnancy.

19. Why is a soaked cloth put on the body of a child with fever?

20. Name any one waste product excreted by the liver.

21. Why is a fuse a useful component in an electric circuit?

22. Give a reason why it is a bad health practice to roast meat without washing hands.

23. How is transpiration useful to plants on a hot weather?

24. Identify the main product obtained from cattle that have a blocky shape.

25. What type of energy is possessed by a stone resting on a table?

26. How does a bird benefit from having a streamlined body?

27. Name any one injury that takes place at a joint.

28. Why would you advise an adolescent to promote personal hygiene?

29. Which part of the human body is attacked by river blindness?

30. What is formed when wood burns under a limited oxygen supply?

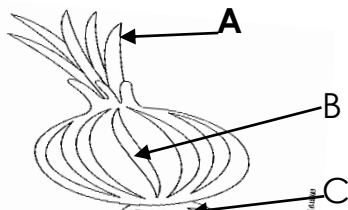
31. Give the scientific term used to mean the process of soil formation from rock particles.

32. State one effect of smoking to school going children.



33. How does mulching control the growth of weeds in the garden?  
.....
34. Suggest one way the government can solve the problem of poor water supply in an area.  
.....

**Below is a plant. Use it to answer questions 35 and 36.**



35. Name the group of underground stems shown by the plant above.  
.....
36. Give one functional difference between parts labelled **A** and **B**.  
.....
37. Name the type of pulley system used by children to hoist flags at school.  
.....
38. Give one way bees improve human health.  
.....
39. Give any one reason why a whale cannot be grouped with fish.  
.....
40. State the intestinal worms that enter the human body through boring a skin.  
.....

### SECTION B (60 Marks)

41. The table below has two parts A and B. Part A shows digestive juice while B shows the enzymes but in a wrong order.

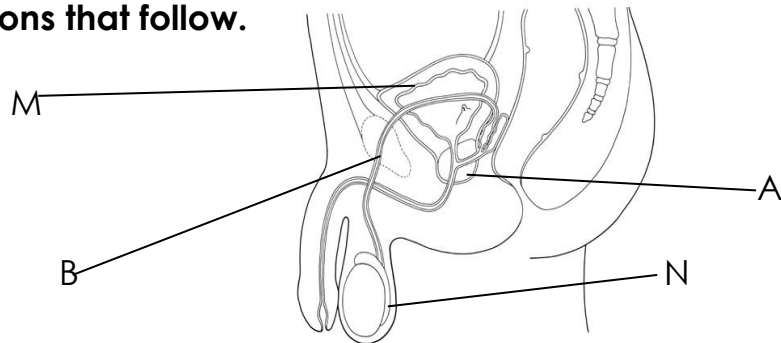
| A (Digestive juice) | B (Enzyme) |
|---------------------|------------|
| Saliva              | Lipase     |
| Gastric juice       | Sucrase    |
| Pancreatic juice    | Ptyalin    |
| Succus entericus    | Rennin     |

**Select the enzyme from list B of the table to match the digestive juice from list A as shown below.**

- a) saliva..... (b). Gastric juice.....  
c) Pancreatic juice ..... (d) Succus entricus.....



**42. The diagram below shows a male reproduction system. Study it carefully to answer questions that follow.**



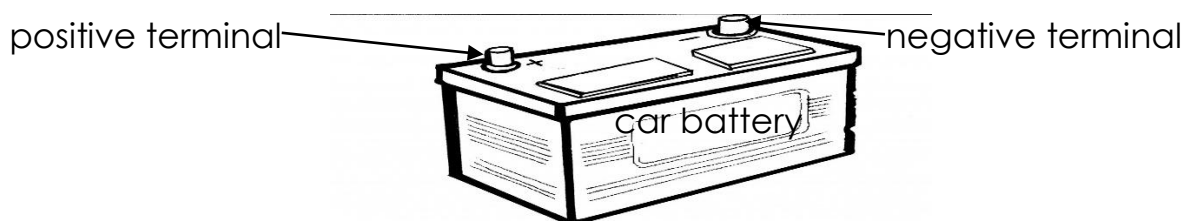
- a). Name the parts labelled **A** and **B**.  
 (i) **A**.....(ii) **B**.....  
 b). Give the function of parts marked **M** and **N**.  
 (i) **M** .....  
 (ii) **N** .....

- 43. a).** State any two factors considered when sorting clothes to be washed.  
 (i).....(ii).....  
**b). Identify the step of cleaning clothes that helps to**  
 (i) dissolve dirt from clothes .....  
 (ii) remove foam from clothes.....

- 44.a).** Why should utensils be washed immediately after using them?  
 .....  
**b).** Give a reason why utensils should be placed on a plate stand after washing them.  
 .....  
**(c).** Why is it advisable to construct a plate stand one metre above the ground?  
 .....  
**d).** Mention any one disease that can easily spread due to use of dirty utensils.  
 .....

- 45. (a).** Write down two blood vessels that carry blood to the heart.  
 (i) ..... (ii) .....  
**(b).** Name the blood cell that engulfs germs in the body.  
 .....  
**(c).** Which part of the blood cell in **(b)** above helps it to engulf and digest germs in the body?  
 .....

**46. Below is an electric cell. Study it carefully to answer questions that follow.**



(a). State the form of current electricity the above cell provides.

b). What form of energy is produced by the above cell if well connected?

c). Why is the electric cell above called a secondary cell?

d). Give one use of a battery in a car.

47. a) Define the term “puberty”

b.) Why would you advise a friend to guard against teenage pregnancy?

c.) Give any two causes of teenage pregnancy.

(i) .....

(ii) .....

48. The table below shows classes of vertebrates. Use it to answer questions that follow.

|            |          |           |          |
|------------|----------|-----------|----------|
| <u>P</u>   | <u>Q</u> | <u>R</u>  | <u>S</u> |
| Salamander | dove     | Gecko     | Hare     |
| Toad       | pigeon   | Chameleon | bat      |

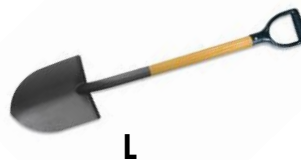
a). Which similarity can exist among animals in list **P,Q,R** and **S**?

b). How are animals in list **S** different from the rest of the animals in terms of reproduction?

c). Why would you put a tortoise under list **R**?

d). Give one way the body temperature of animals in list **Q** and **S** similar.

49 Below are simple machines. Study them carefully to answer questions that follow.



(a). Name the class of levers to which these machines belong.

(i) **K** ..... (ii) **L** .....

(b). Explain why you would advise someone who wants to do work to use machine **K** instead of **L**.

(c). Indicate with letter “**L**” the position of the Load on machine **K**.



50. a) In which two ways is the information put on a child health card promote immunization programme in a community?

(i).....

(ii).....

b) Give one reason why a mother taking her child for immunization needs to carry a child health card.

.....

c). Give any one piece of information shown on a child health card.

.....

51. a). Mention any two food taboos among Muslim Community.

(i).....

(ii).....

b). Give any one way food taboos affect women and children in a community.

.....

c). State one way how food taboos can prevent food shortage in a community.

.....

52. a). Mention any one device that uses electricity at home.

.....

b). Why are live electric wires insulated with rubber materials?

.....

c). Give any two causes of short circuit.

(i).....

(ii).....

53. a). Give two ways of keeping essential drugs safe.

(i).....

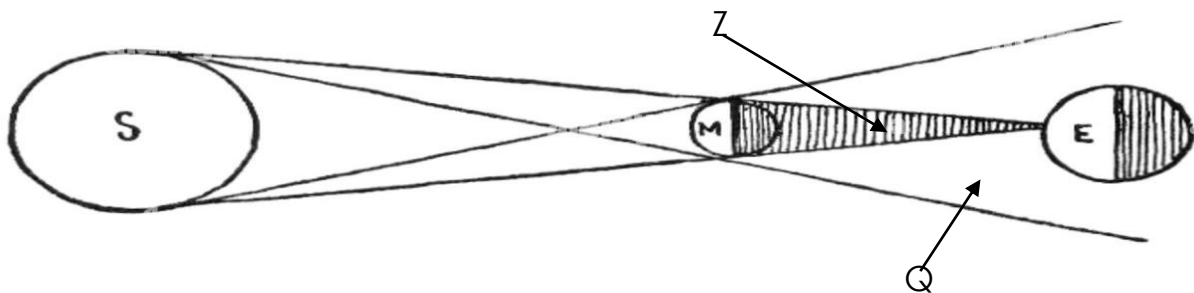
(ii).....

b). State any two characteristics of essential drugs.

(i).....

(ii).....

54. Below is a type of eclipse. Study it carefully to answer questions that follow.



(a) What type eclipse is shown above?

.....

(b). Name the parts labelled **Z** and **Q**.

(i) **Z** ..... (ii) **Q** .....

c). Explain what happens to a person who would be put in part **Z** during the eclipse.

.....

55. Allen mixed salt with sand. In only four sentences, explain how Allen would recover her salt from sand.

(i) .....

(ii) .....

(iii) .....

(iv) .....

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