

# VICTORIOUS PRIMARY SCHOOLS

## PRIMARY SEVEN MID TERM II

2023

### INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

Random No.						Personal No.		

**Candidate's Name:** .....

**Candidate's Signature:** .....

**District ID:**

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**Read the following instructions carefully:**

1. Do not write your **school** or **district name** on the paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions (**40marks**) and section **B** has **15** questions (**60 marks**).
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: "**For Examiners' use only**" and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
<b>TOTAL</b>		

**SECTION A: (40 Marks)**

1. Name any **one** natural source of light energy that is not hot.  
\_\_\_\_\_
  2. Why do insects undergo moulting?  
\_\_\_\_\_
  3. Give **one** way people control mosquitoes at larva stage.  
\_\_\_\_\_
  4. Name any **one** shelled invertebrate.  
\_\_\_\_\_
  5. In the space below, draw a diagram to show a compound leaf.
- 
6. State the cause of constipation in women.  
\_\_\_\_\_
  7. Give any **one** source of heat energy at home.  
\_\_\_\_\_
  8. Give any **one** breed of goats kept for milk production.  
\_\_\_\_\_
  9. What is matter as used in science?

10. The diagram below shows a simple machine, to which class of simple machines does it belong?



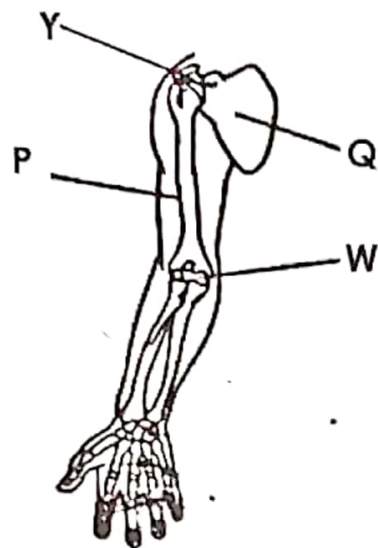
11. Name any **one** condition needed for both rusting and burning to take place.
12. Why is it necessary to have lightning conductors on tall buildings?
13. How does debeaking of birds control egg eating in a poultry farm?
14. Why are telephone and electric cables left sagging loosely between poles?
15. Write down any **one** method of controlling field pests without using chemicals.
16. Mention any **one** life skill that is needed to avoid teenage pregnancy.
17. Name any **one** example of annual crops.
18. Why do farmers carry out cross breeding in cattle?

19. What is the use of saliva during the process of digestion in human being.

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The diagram below shows a human arm. Use it to answer questions 20 and

21



20. Name the flat bone marked Q.

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21. How is the movement of joint W different from that of Y?

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22. Why is drug prescription very important to a patient?

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23. Name any **one** intestinal worm that causes anaemia in human beings.

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24. State any **one** non-biodegradable material common in urban areas?

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25. Write any **one** of the 5Rs in the management of non-biodegradable materials in the environment.

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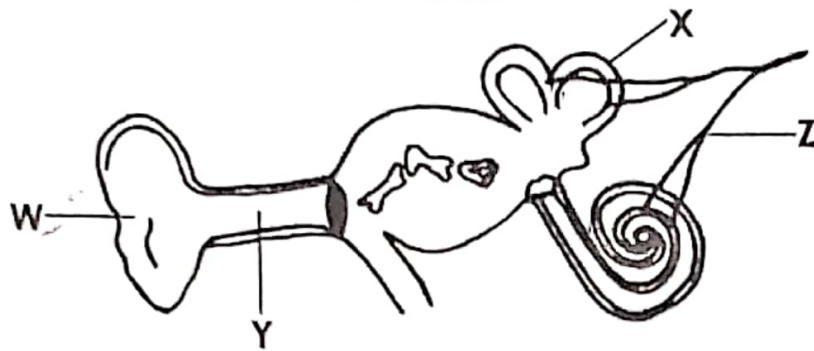
The diagram below shows a common first aid tool. Use it to answer questions 26 and 27.



26. Name the tool shown above.
- 
27. Mention any **one** injury that requires the tool above.
- 
28. Why is it important to galvanize some of the iron tools we use at home?
- 
29. Which process in the human skin is similar to photosynthesis in leaves?
- 
30. Why is it difficult to use displacement method to find the volume of a feather?
- 
31. Give any **one** use of water at home.
- 
32. Apart from segmented bodies and jointed legs, state any other characteristic of arthropods.
- 
33. Mention any **one** type of seed dispersal.
-



The diagram below shows a mammalian ear. Study it carefully and use to answer questions 34 and 35.



34. Name part W.

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35. In which way is part Y adapted to its function?

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36. State any **one** biological change that is also a chemical change.

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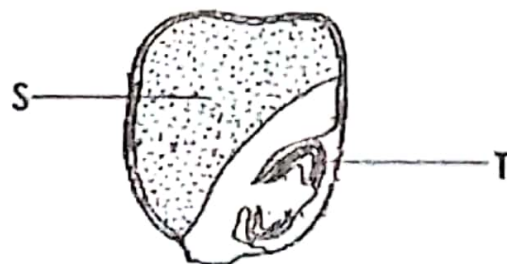
37. What is the similarity between sound and light energy?

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38. Write any **one** PLASCY message.

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The diagram below is of a maize grain. Use it to answer questions 39 and 40



39. Name part T.

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40. State the function of part S.

## SECTION B: (60 Marks)

41. (a) What is thinning in crop growing?

\_\_\_\_\_

(b) State any **two** advantages of thinning in annual crops.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) How does pruning control the spread of crop diseases?

\_\_\_\_\_

42. (a) Name any **one** example of simple machine that belongs to:

(i) Levers \_\_\_\_\_

(ii) Wedges \_\_\_\_\_

(iii) Inclined plane \_\_\_\_\_

(b) Why is it easier to carry 50kg of rice using a wheel barrow than the shoulders?

\_\_\_\_\_

43. (a) What is fainting?

\_\_\_\_\_

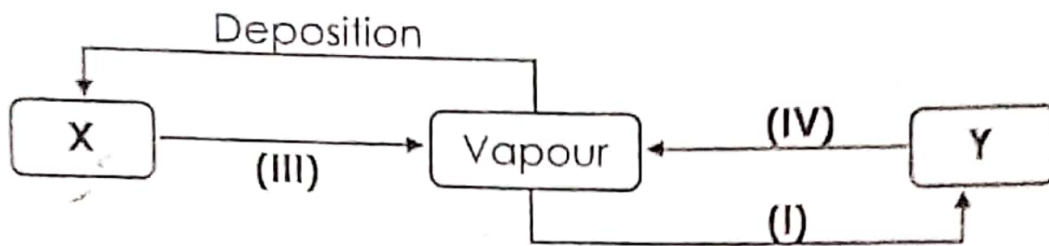
(b) Identify any **two** conditions that may lead to fainting.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Why are we advised to chase away bystanders from a person that has fainted?

44. The illustration below shows physical changes in states of matter. Study carefully and use it to answer questions that follow.



- (a) Name states of matter marked **Y** and **X**.

(i) **Y** \_\_\_\_\_

(ii) **X** \_\_\_\_\_

- (b) Which process is shown by **(I)**?

\_\_\_\_\_

- (c) Identify any **one** substance that changes through all the states of matter above.

\_\_\_\_\_

45. (a) State the duty of a drone bee in the hive.

\_\_\_\_\_

- (b) How important is a queen excluder in a top bar hive?

\_\_\_\_\_

- (c) Give any **one** method of extracting honey from honey combs.

\_\_\_\_\_

- (d) In which **one** way is bee keeping important to the environment?

\_\_\_\_\_



46. Which component of the circulatory system carries out the following roles?

(i) Transporting blood \_\_\_\_\_

(ii) Transporting food in the body \_\_\_\_\_

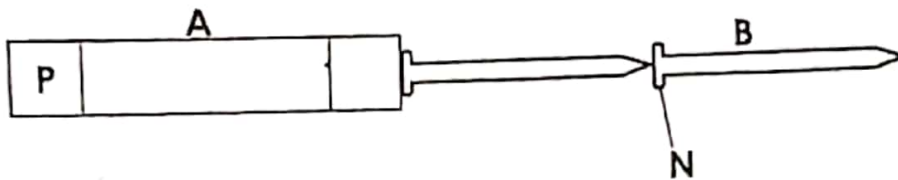
(b) Why are some people taken for blood transfusion?

\_\_\_\_\_

(c) Give **one** way of caring for the heart.

\_\_\_\_\_

47. The illustration below shows a method of magnetization. Study it carefully and use it to answer questions that follow.



(a) Which method of magnetization is shown above?

\_\_\_\_\_

(b) Identify pole marked **P** on magnet **A**.

\_\_\_\_\_

(c) Name the type of magnet formed by the method above.

\_\_\_\_\_

(d) Name any other method of magnetization besides the above.

\_\_\_\_\_

48. (a) Give any **one** reason people give for drinking alcohol.

\_\_\_\_\_

(b) State **one** effect of alcoholism to;

(i) an individual.

(ii) a family.

(iii) a community.

49. (a) What is personal hygiene?

(b) Mention **two** activities carried out during a health parade at school.

(i)

(ii)

(c) State any **one** role of a health prefect at school.

50. (a) How are the following tools useful to cattle farmers?

(i) Burdizzo

(ii) Strip cup

(iii) Drenching gun

(b) State any **one** reason why farmers carry out steaming up in the animals.

51. Give the function of the following components of an electric circuit.

(i) Switch

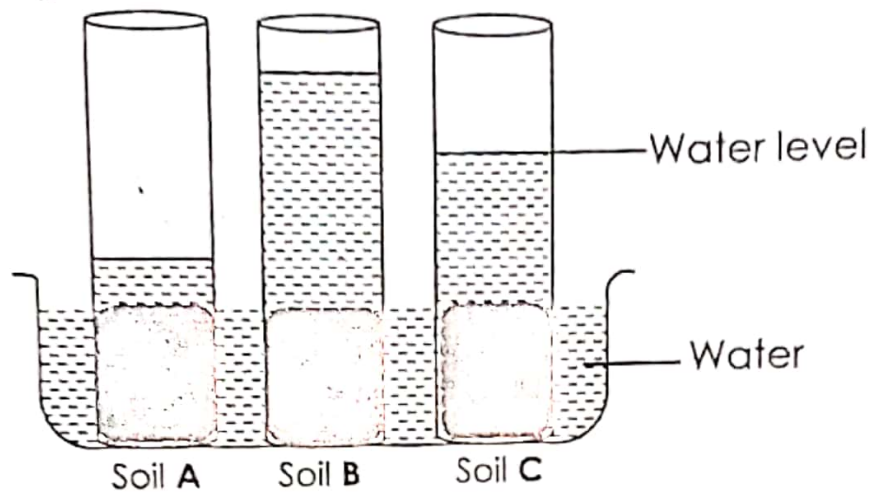
(ii) Bulb

(iii) Wire

(b) Which other energy is produced by the bulb besides light?

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52. The illustration below shows an experiment done by a P.5 class about soil. Study it carefully and use it to answer questions that follow.



(a) What is the experiment about?

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(b) Identify soil sample **B** and **C**.

(i) **B** \_\_\_\_\_

(ii) **C** \_\_\_\_\_

(c) Give the component of soil that makes the soil to appear dark coloured.

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53. (a) Write down any **two** requirements of photosynthesis.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) What role does chlorophyll play during the above process?

(c) Why can't plants carry out photosynthesis at night?

54. Match items in list **A** to those in **B** correctly.

**A**

Duck billed platypus

Horse tails

Apples

Skunk

**B**

has shells on the body

produces spores

produces bad smell

produce eggs

produces false fruits

(i) Duck billed platypus \_\_\_\_\_

(ii) Horse tails \_\_\_\_\_

(iii) Apples \_\_\_\_\_

(iv) Skunk \_\_\_\_\_

55. The table below is about child's immunization schedule. Fill in the missing information correctly.

Diseases	Vaccine	Age of 1 <sup>st</sup> dose
Tuberculosis	(a) _____	At birth
(b) _____	DPT vaccine	6 weeks
Measles	Measles vaccine	(c) _____
Poliomyelitis	(d) _____	14 weeks

END