



## END OF TERM I ASSESSMENT 2024

### P.7 INTEGRATED SCIENCE

*Time allowed: 2Hrs 15Minutes*

Random No.						Personal No.		

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

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

**School Name:** .....

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

**Read the following instructions carefully:**

1. The paper has two sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Attempt all questions. All answers to both sections **A** and **B** must be written in the spaces provided. All the working must be done using a **blue** or **black** fountain pen.
5. Diagrams should be drawn in pencil.
6. Unnecessary changes of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks
8. Do not fill anything in the boxes indicated:

**"For Examiners' Use only"**

FOR EXAMINERS' USE ONLY		
QN.NO.	MARKS	SIGN
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

**Turn Over**

## **SECTION A (40 MARKS)**

1. What name is given to reflected sound?

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2. Give any **one** characteristic of living things.

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3. What is the function of canine teeth to carnivores?

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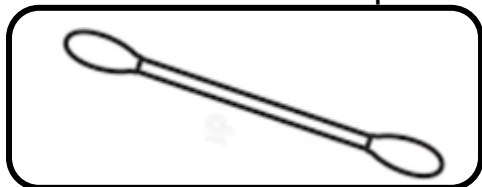
4. How are joints useful in the human body?

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5. Identify the vaccine given against diphtheria in infants?

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6. Name the item used to promote personal hygiene shown below.



7. State the advantage of using the above item instead of a piece of stick?

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8. Where do earthworms live?

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9. Identify any **one** invertebrate which can infest the human alimentary canal?

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10. Apart from protection, give **one** other reason why chameleons camouflage.

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11. What is the main cause of a short circuit?

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12. Why can't papers sink when placed in water?

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13. Identify any **one** group of people whose health can easily be harmed due to poor feeding.

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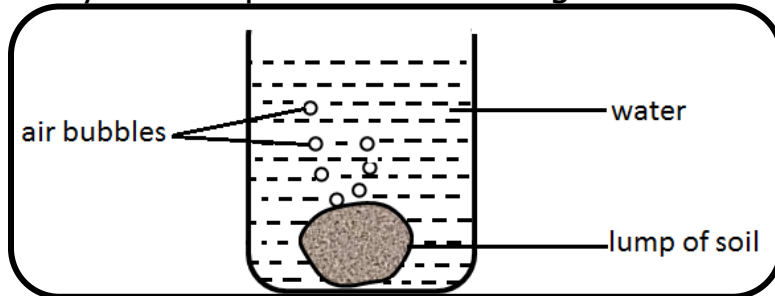
14. How is the function of a fuse similar to that of a switch?

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15. Name any **one** device used to store sound.

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16. Identify the component of soil being tested for in the diagram shown below.



17. How are feathers useful to ostriches?

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18. State any **one** importance of proper ventilation in a living house.

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19. Give any **one** example of an amphibian.

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20. How is sound energy produced?

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21. Name the human body organ whose function is to filter blood?

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22. Identify any **one** disease spread through poor sanitation.

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23. What energy change takes place in a dry cell when the circuit is complete?

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24. How does heat travel through solids?

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25. Give any **one** example of soil pollutants.

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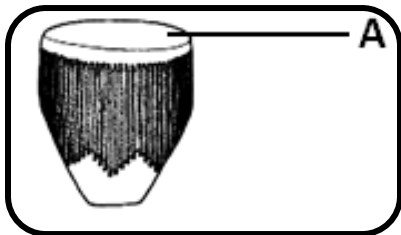
26. Why is a duck-billed platypus called a mammal yet it reproduces by laying eggs?

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27. State any **one** way you can control mosquitoes in your bedroom.

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**The diagram below shows one of the musical instruments used for entertainment.**



28. Mention any **one** domestic animal from which material marked **A** is got.

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29. Mr. Muwonge was advised by a doctor to eat more foods rich in iron. State the deficiency disease Mr. Muwonge was suffering from.

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30. What happens to the volume of water when it freezes?

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31. How is propagation of carrots different from that of cassava yet they are all root tubers?

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32. Identify any **one** disease that people can mistake it for being HIV/AIDS.

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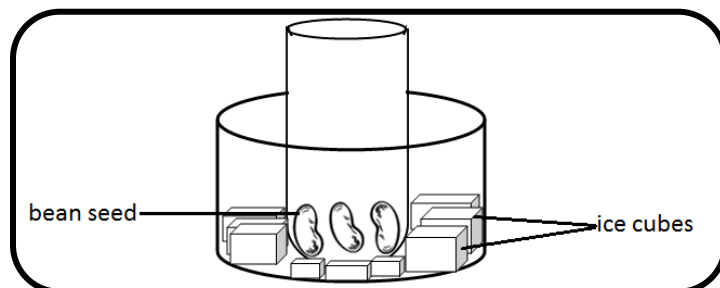
33. How are reptiles and fish similar in their way of reproduction?

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34. To which group of flowering plants does sorghum belong?

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**The diagram below shows an experiment on germination**



35. Why would the seeds in the experiment above fail to germinate?

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36. Write down any **one** example of static electricity.

\_\_\_\_\_

37. Identify the fuel commonly used in the kitchen at your school.

\_\_\_\_\_

38. How does the process of photosynthesis purify the atmosphere?

\_\_\_\_\_

39. Why is distilled water not a good conductor of electricity?

\_\_\_\_\_

40. Why is a bat grouped as a warm-blooded animal?

\_\_\_\_\_

### **SECTION B (60 MARKS)**

41. Germination, burning, melting and evaporation are common changes in the environment.

(a) Which of the above changes is a biological change?

\_\_\_\_\_

b) Identify **two** changes from the list above that produce a new substance.

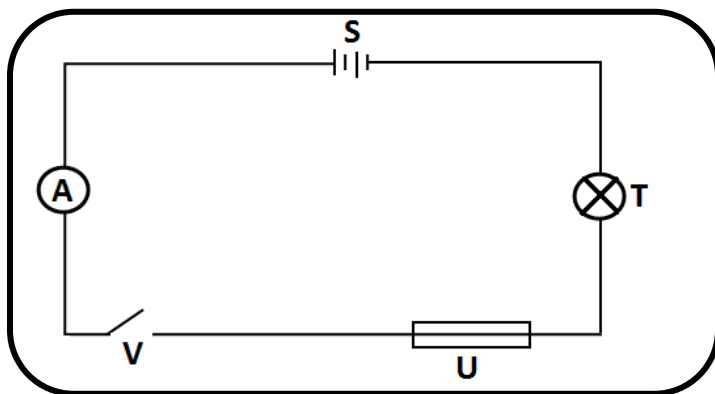
(i) \_\_\_\_\_

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

c) How is evaporation similar to melting?

\_\_\_\_\_

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



a) Name the components labelled **V** and **T**.

**V)** \_\_\_\_\_ **T)** \_\_\_\_\_

b) Why is the component marked **U** made of a thin wire?

\_\_\_\_\_

c) Calculate the voltage in the above circuit.

43. (a) A seed is a fertilized ovule. Which part of the seed develops into the shoot system?

\_\_\_\_\_

(b) Apart from being used as food, give any **two** other uses of seeds to people.

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

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

(c) What term describes the ability of a seed to germinate under favourable conditions?

\_\_\_\_\_

44. In which season do farmers usually mulch their gardens?

\_\_\_\_\_

(b) Mention any **two** reasons why farmers mulch their gardens.

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

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

c) State any **one** danger of mulching a school garden.

\_\_\_\_\_

45. (a) List down any **two** craft materials got from swamps.

i) \_\_\_\_\_ ii) \_\_\_\_\_

b) Apart from getting craft materials from swamps, give **one** other use of swamps to people.

\_\_\_\_\_

C) State **one** way a P.7 child can protect swamps from destructions?

\_\_\_\_\_

**46. Some insects are active during day time (diurnal) while others are active in the night (nocturnal).**

a) Give **one** example of each of the groups above.

(i) Diurnal insect \_\_\_\_\_

(ii) Nocturnal insect \_\_\_\_\_

b) State any **one** of each of the following;

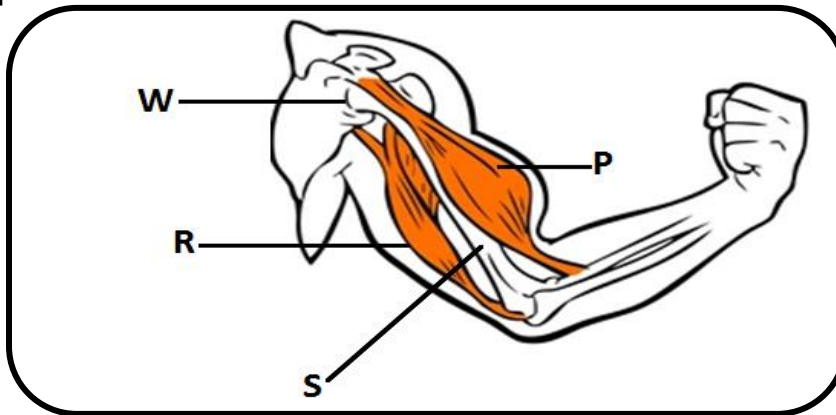
(i) Uses of insects to people

\_\_\_\_\_

(ii) Dangers of insects to people

\_\_\_\_\_

47. The diagram below shows the human upper arm. Use it to answer the questions that follow.



(a) Name the parts labelled **P** and **S**.

(i) **S** \_\_\_\_\_ ii) **P** \_\_\_\_\_

(b) Why are muscles labelled **R** and **P** called voluntary muscles?

\_\_\_\_\_

\_\_\_\_\_

(c) Name the movable joint found at the part labelled with letter **W**.

\_\_\_\_\_

48. (a) Write down **one** use of each of the body organs given below.

(i) Urinary bladder \_\_\_\_\_

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

b) State any **one** functional similarity between the ear and lateral line in fish.

\_\_\_\_\_

(c) Mention any **one** habit that may endanger the human heart.

\_\_\_\_\_

49. A Farmer kept a goat and a rabbit in different houses. He used to put different types of foods in their houses. He recorded the number of times they ate each food as shown below

Animal	Sweet potato leaves	Cassava leaves	Sorghum leaves	grass	Maize leave	Banana leaves
Rabbit	4	2	0	3	2	2
Goat	3	1	1	5	3	1

a) What was the most favourable food for the following?

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

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

b) What was the least favourable food for the rabbit?

\_\_\_\_\_

c) If the farmer was to use only one type of food, which one would be the most favourable for both the goat and rabbit?

\_\_\_\_\_

50. What are crop pests?

\_\_\_\_\_  
\_\_\_\_\_

b) Give **one** example of crop pest in the garden.

\_\_\_\_\_

c) State any **two** ways of controlling pests in the garden.

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

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

51. a) Give the meaning of the term resources?

\_\_\_\_\_  
\_\_\_\_\_

(b) Give **two** examples of renewable resources that can be replaced through reproduction.

i) \_\_\_\_\_ ii) \_\_\_\_\_

(c) Write any **one** way of saving resources in the environment.

\_\_\_\_\_



52. Match the vectors in list **A** with the diseases they spread they spread in list **B** correctly.

**List A**

- i) Housefly
- ii) Tsetse fly
- iii) Rat fleas
- iv) Fresh water snail

**List B**

- a) bilharzia
- b) trachoma
- c) sleeping sickness
- d) bubonic plague

**Correct order**

Housefly

Tsetse fly

Rat fleas

Fresh water snail

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53. People are encouraged to wash hands after visiting the latrine.

(a) Write down any of the materials we use to wash hands which are in the following states of matter:

(i) Solid state \_\_\_\_\_

(ii) Liquid state \_\_\_\_\_

(b) Give any **one** danger that may come as a result of not keeping our bodies, clothes and beddings clean

\_\_\_\_\_  
(c) Apart from washing and bathing, state any **one** other activity that school children do to keep their body clean.

54. Study the lists of organisms below and use them to answer the questions that follow.

**List R**

Ferns  
Liverworts  
Mosses

**List P**

Puffballs  
Toad stool  
Moulds

a) Give **one** similarity between organisms in list **R** and those in list **P**.

b) What difference exists between organisms in list **R** and those in list **P**?

c) How are the organisms in list **P** dangerous to people?

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d) Mention one other organism that you would include among those in list **R**.

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55. (a) Give the meaning of the term transpiration.

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b) Mention any **two** factors that can increase the rate of transpiration.

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

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

c) How is the process of transpiration useful in the environment?

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**\*\*\*END\*\*\***