

# VICTORIOUS PRIMARY SCHOOLS

## PRE-PLE INTERNAL SET 1

2024

### 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** answers for both sections **A** and **B** must be written 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		
TOTAL		

1. Mention any **one** way of caring for crops in a garden.

\_\_\_\_\_

2. State **one** use of soap during bathing activity.

\_\_\_\_\_

3. Write **one** cause of soil erosion in gardens.

\_\_\_\_\_

4. How can **one** tell that a child is suffering from Kwashiorkor?

\_\_\_\_\_

5. Identify **one** way you prevent rusting of garden tools at home.

\_\_\_\_\_

6. Mention any **one** milk product.

\_\_\_\_\_

7. Why do most men fear to use Vasectomy as a family planning method?

\_\_\_\_\_

8. State any **one** cause of swarming in bees.

\_\_\_\_\_

9. State **one** characteristic of images formed in plane mirrors.

\_\_\_\_\_

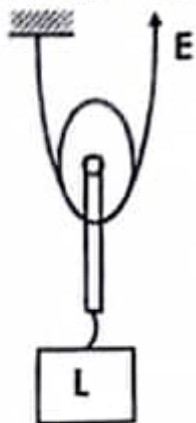
10. Identify **one** way fungi reproduce.

\_\_\_\_\_

11. Why are ventilators / louvers always put above the windows and doors?

\_\_\_\_\_

12. Name the pulley system drawn below.



\_\_\_\_\_

How does such a pulley simplify work?

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4. State any **one** way people can make use of filtration method at home.

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15. Which property of air enables us to replace air pressure in a car tyre?

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16. Name the blood component that keeps the body response to diseases alert.

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17. Write ECOSAN in full.

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18. Mention the importance of the liver during blood circulation.

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19. How are villi adapted to their function of absorption of digested food?

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20. State any **one** way of controlling the effects caused by lice to the human body.

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21. How can you as a P.7 candidate make use of broken plastics like jerrycans?

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22. State **one** application of insulators today.

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23. State the difference between a strain and sprain.

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24. Give **one** way of conserving plants as resources.

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25. Identify **one** sign of anthrax as a disease of cattle.

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26. Identify the vector drawn below;



27. Name any **one** disease spread by the above vector.

28. Why is it important to always iron bedsheets or spread them on sunshine?

29. Give any **one** factor that can result into fainting.

30. Give any **one** way molluscs are useful to poultry farmers.

31. Explain the importance of terracing in hilly areas as a practice of crop growing.

32. State any **one** human activity that can lower the productivity and usefulness of the environment.

33. Give **one** advantage of vegetative propagation.

34. How does the length of string affect its pitch?

35. Why do fish lay very many eggs in spawn?

36. How do bacteria make food to go bad?

37. State **one** importance of respiration to the body.

How are physical exercises important to the circulatory system?

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39. Name **one** example of a breed of sheep.

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40. Apart from causing vomiting, state **one** other sign of worm infestation among P.7 candidates.

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### SECTION B

41. a) Mention any **one** way weeds increase the presence of pests in a garden.

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b) State any **two** ways pests damage crops in the garden.

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

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

c) Give **one** mechanical way farmers use to control weeds in their gardens.

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42. a) Mention any **two** health dangers that will be faced by people who spend more than a week without eating food.

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

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

b) State any **one** factor that can cause inadequate food supply in the community.

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c) Name **one** sign of malnutrition in babies.

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43. a) Define the term refraction.

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b) State any **one** effect of refraction in day-to-day life.

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c) Name any **one** medium through which light passes.

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d) Explain how a rainbow is formed.

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44. a) State the difference between Mass and Weight.

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b) Calculate the density of a stone whose mass is 500g after displacing 100 cm<sup>3</sup> of water when fully immersed in an eureka can. (3 marks)

45. a) Give any **one** reason why birds have the following characteristics.

(i) streamlined bodies \_\_\_\_\_

(ii) hollow bones \_\_\_\_\_

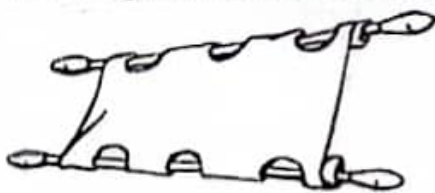
b) Give **one** way you can care for birds.

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c) Identify any **one** disease of birds caused by protozoa.

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



a) How is the above structure useful in promoting PHC?

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b) Name the type of accident where such a structure is used.

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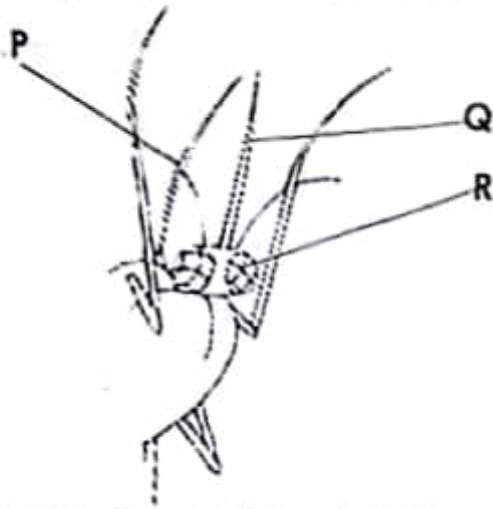
c) Give **two** reasons why accident victims should be given first aid.

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Give two difference between arachnids and insects.

Use the part of an insect below to answer questions b and c.



b) Name the part marked P.

c) How is the function of part Q different from that of part R

48. a) Explain in one sentence how building engineers prevent the effect of capillarity action on building while setting the building foundation.

b) Name the type of soil with the highest capillarity.

c) In which two ways do people make use of such type of soil mentioned in (b) above?

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

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

49. a) State any one kind of information collected on human population during demographic study.



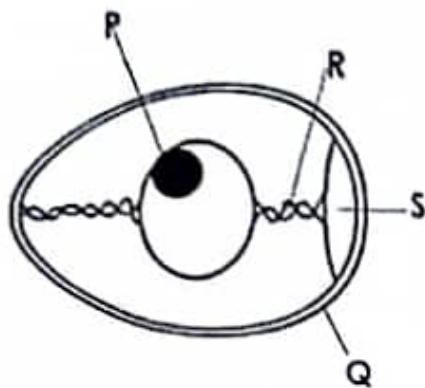
b) State **one** importance of collecting such information to the development of a nation.

c) Mention **two** ways people can get information about health.

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

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

50. Below is a diagram of an egg. Use it to answer questions that follow.



a) Name the parts marked Q and R.

R \_\_\_\_\_ Q \_\_\_\_\_

b) State the function of part P when an egg is fertilized.

c) Why do birds lay eggs?

51. a) How is drug abuse different from drug misuse.

b) Name any **two** commonly abused drugs.

c) Give **one** reason why people misuse drugs.



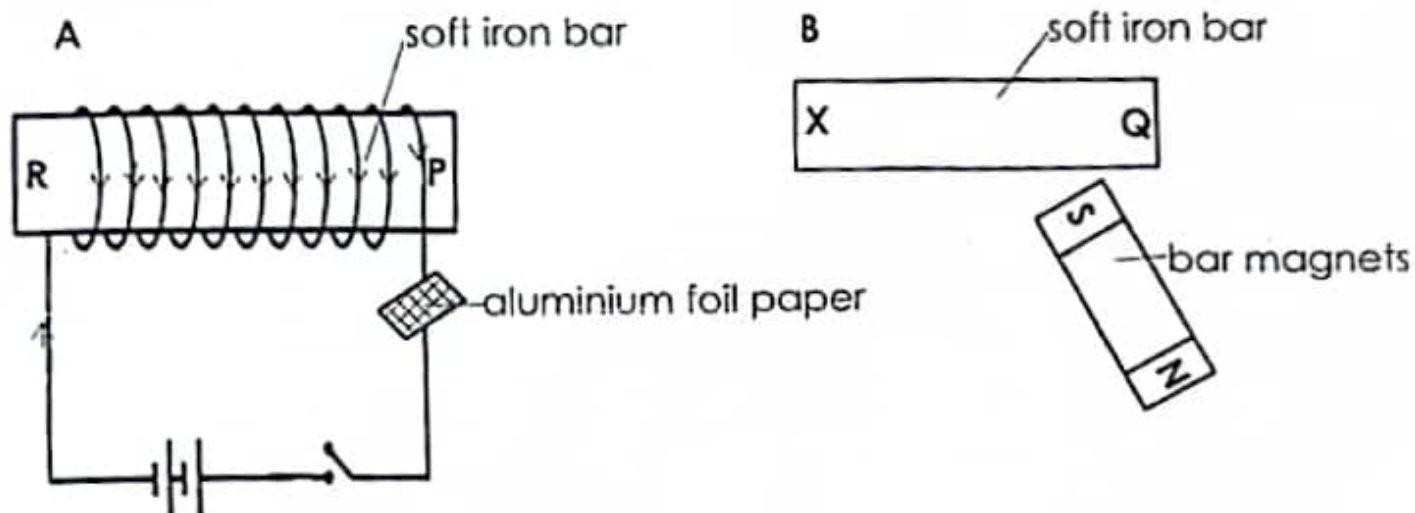
me State **two** disadvantages of not keeping records on a farm.

(ii)

b) Why should crop farmers keep health records?

c) State **one** way of caring for trees in agroforestry.

i. Below are methods of magnetization. Use it to answer questions that follow.



a) Identify the method of magnetization at B.

b) What will happen to the soft iron bar at A if the aluminium foil is removed and replaced with a glass.

c) Give a reason to support your answer.

d) Apart from the above, mention any other method of magnetization.

54. Match the following modes of reproduction with their corresponding organisms.

Mode of reproduction

Organism

(i) sporulation

yeast

(ii) Binary fission

amoeba

(iii) Conjugation

penicillin moulds

(iv) Fragmentation

spirogyra

(v) Budding

(i) sporulation

\_\_\_\_\_

(ii) Binary fission

\_\_\_\_\_

(iii) Conjugation

\_\_\_\_\_

(iv) Budding

\_\_\_\_\_

55. Describe any four steps taken to recover salt from sand provided you have a container, source of heat and water.

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

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

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

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

END