

**PRE-PLE SET I EXAMINATION 2024****P.7 INTEGRATED SCIENCE***Time allowed: 2Hrs 15Minutes*

Random No.						Personal No.		

Candidate's Name:**Candidate's Signature**.....**District 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

1. Identify any **one** activity done to promote oral health.

.....

2. How are earthworms important in soil?

.....

3. State **one** way fish are similar to tadpoles?

.....

.....

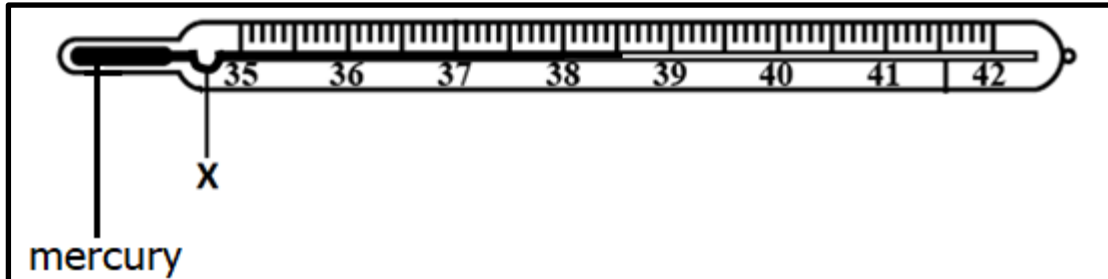
4. Why doesn't sound travel through a vacuum?

.....

5. Name **one** other plant whose propagation is similar to that of onions.

.....

The clinical thermometer shown in the diagram below indicates the body temperature of a P.7 candidate measured by the nurse at the school sick bay. Use it to answer questions 6 and 7.



6. Of what use is part marked **X** of the above instrument?

.....

7. How can the body condition of the candidate shown in the thermometer above be managed by the nurse?

.....

8. Mention any **one** immunisable disease that affects the brain.

.....

9. How does high humidity affect the rate of transpiration in plants?

.....

10. State any **one** law that regulates the use of alcohol in Uganda.

.....

11. Why should a person with diarrhoea be given plenty of fluids to drink?

.....

12. Name **one** exotic breed of sheep kept for the production of wool.

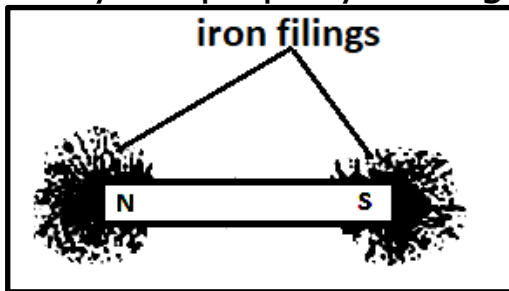
.....

13. How is a tendon functionally different from a ligament?

.....

.....

14. Identify the property of magnets shown in the diagram below.



.....

15. What method of food preservation do farmers use to keep their harvested cassava for a longtime?

.....

16. What is the function of a smoker during harvesting honey?

.....

17. State **one** way chameleons help to control diseases among people.

.....

18. How can burns be prevented at home?

.....

19. Name **one** state of matter in which heat transmission requires active movement of molecules.

.....

20. In the space provided below, draw the blood cell responsible fighting germs in the body.



21. Why does clay soil have the highest capillarity?

.....

22. Apart from charcoal and firewood, give **one** other example of a wood fuel.

.....

23. Opio has a problem of poor night vision. Which deficiency disease is he suffering from?

.....

24. Which property of light enables formation of images using lenses?

.....

25. Give **one** way living things reproduce.

.....

26. Why are mosses regarded as non-flowering plants?

.....

27. Give a reason why efficiency of a machine is not always 100%.

.....

28. Name the plant process that helps them to cool down.

.....

29. State any **one** role of a mother at home.

.....

30. By what process does exchange of gases take place in the alveolus?

.....

31. What activity can be done to prevent the breeding of mosquitoes around our homes?

.....

32. State **one** way heat affects sound transmission.

.....

33. Give any **one** example of a biological change which takes place in man.

.....

34. What is food contamination?

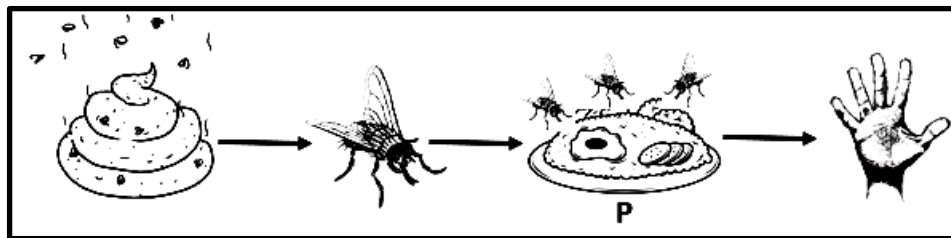
.....

.....

35. In which part of the reproductive system does fertilization take place?

.....

Study the diagram of the 4Fs germ path below and use it to answer questions 36 and 37.



36. Name the stage of the germ path marked with letter **P**.

.....

37. Why is housefly the only vector involved in the above germ path?

.....

38. A P.7 child lost some of his teeth and now has a problem of cutting food. Which type of teeth did they lose?

.....

39. State any **one** use of roughage in our bodies.

.....

40. Why do some objects sink in water?

.....

SECTION B

41. Give the following organisms;

Frog

Lizard

Hen

Tilapia

a) State **one** similarity common to all the above organisms.

.....

b) Which characteristic distinguishes a hen from the rest of the organisms?

.....

c) Mention any **one** organism that has the same mode of reproduction as the ones shown in the list above.

.....

d) Which group of vertebrates is not represented in the above list?

.....

42. a) What is **PHC**?

.....

.....

b) Which element of **PHC** helps in controlling population growth?

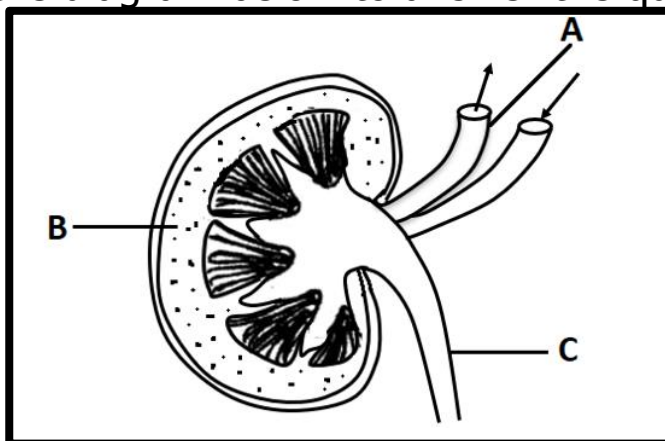
.....

c) Identify any **two** ways a family can promote food and nutrition at home.

i)

ii)

43. Use the diagram below to answer the questions about it.



a) Name the part marked **A**.

.....

b) What process takes place in part **B**?

.....

c) Where does part **C** lead its content into?

.....

d) State any **one** way of caring for the body organ shown in the diagram above.

.....

44.a) Give any **one** solute used in preparation of **ORS**.

.....

b) Why do we wash hands before preparing ORS?

.....

c) Write down any **two** signs of dehydration.

i)

ii)

45. a) Identify the method used to separate the following substances

i) Iron filings and maize flour

ii) Husks and maize grain

b) Why is water called a universal solvent?

.....

c) How can a P.7 Child recover salt from water?

.....

46. Below is a diagram of a P.3 boy making a toy car. Study it carefully and use it to answer the questions that follow.

a) Name any **one** material from which the boy is making the toy car.

.....

b) List down any **two** uses of the toy car to the boy.

i)

ii)

c) State any **one** why parents should encourage such skills in their children.

.....

47. a) Give the meaning of “artificial sources of energy”.

.....

b) List down any **two** importance of saving energy.

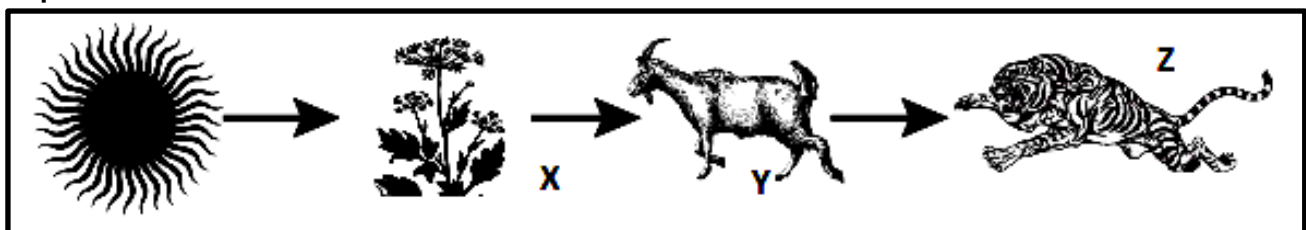
i)

ii)

c) State **one** way people in rural areas utilize energy from the sun.

.....

48. Study the diagram below carefully and use it to answer the following questions that follow.



a) What do the arrows represent?

.....

b) How does organism **Z** get energy from the organism **X**?

.....
c) What will happen to the population of **X** if organism **Y** were all eaten?

.....
d) Identify the main source of energy in a food chain above.

.....
49. a) State the importance of the following practices on a farm.

i) Ear tagging

ii) Dehorning

b) Give **one** reason for steaming up animals.

.....
c) How land an important factor when starting up a livestock farm?

.....
50. a) What is germination?

.....
b) How useful is micropyle during germination?

.....
c) Give any **two** plants whose seeds undergo hypogeal germination.

i)

ii).....

51. a) Name the type of immunity got after recovering from an illness.

.....
b) How does immunization boost up children's immunity?

.....
c) Give the vaccine administered to babies at the age of nine months.

.....
a) Why is BCG vaccine given to babies at birth?

.....

52. a) Name the part of the ear that performs these functions

i) Changing sound vibrations to nerve impulses.

.....

ii) Balancing pressure in the middle ear.

.....

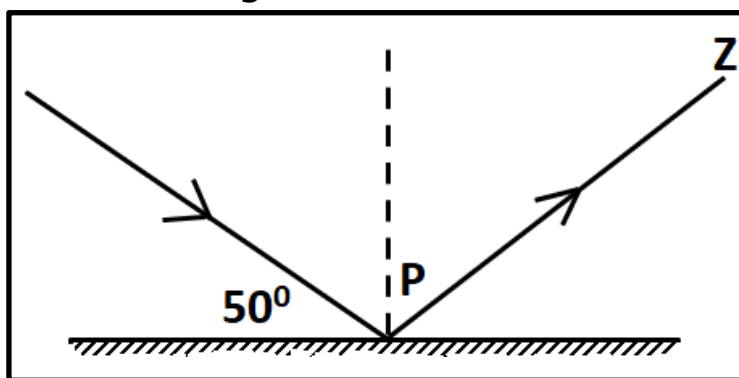
b) State any **one** way of reducing echoes in cinema halls.

.....

c) Give **one** way of caring for our ears.

.....

53. Use the diagram below to answer the questions that follow.



a) Find the size of angle marked **P**.

b) What type of reflection is shown in the diagram above

.....

c) Name the ray of light marked **Z**.

.....

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

LIST A

Sprain

Dislocated

Strain

LIST B

broken bone in the body

overstretched muscle

overstretched ligament

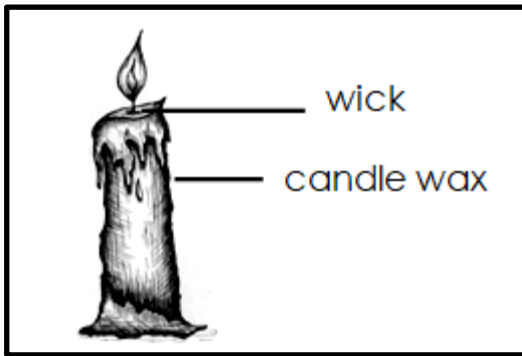
Fracture

displacement of a bone from a joint

Correct order

- a) Fracture
- b) Strain
- c) Dislocated
- d) Sprain

55. The diagram below shows an electric circuit, use it to answer the questions that follow.



a) What type of change is taking place to the candle wick?

.....

b) Give a reason to support your answer in (a) above

.....

c) Name the change the candle wax is undergoing.

.....

d) How is the change mentioned in (c) above useful in our daily life?

.....