



PRE-PLE SET II ASSESSMENT 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		

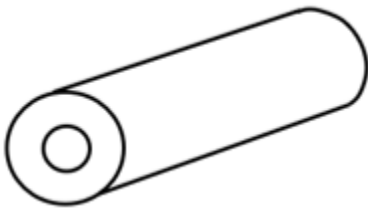
SECTION A (40 MARKS)

1. Name any **one** component of the environment.

2. How is alcoholism dangerous to a family?

3. State any **one** way of caring for vulnerable people?

The diagram below shows a blood vessel. Use it to answer questions 4 and 5.



4. Identify the blood vessel shown in the diagram above.

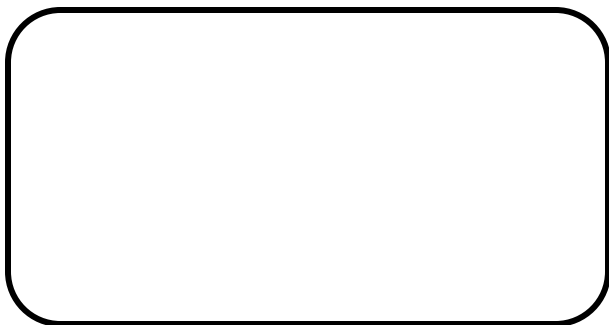
5. Give a reason to support your answer in number (4) above?

6. How are leaves useful to seedlings?

7. How does de-beaking reduce egg eating among layer birds?

8. How does boiling of water make it safe for drinking?

9. In the space provided below, draw a diagram of an experiment to show that soil has humus.



10. Why are people advised to clean fruits and vegetables before eating them raw?

11. Name the eye disease which is spread by houseflies.

12. Give any **one** characteristic of energy.

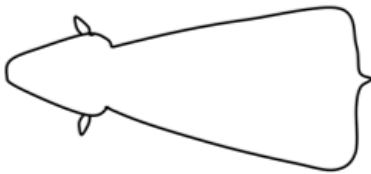
13. Mention any **one** human activity which negatively affects soil.

14. Mention any **one** example of a liver disease.

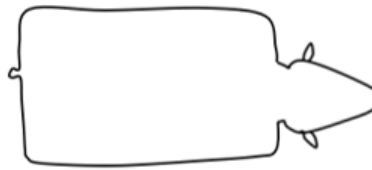
15. State any **one** physical difference that exists between a hen and a cock.

The diagram below shows body conformation of two types of cattle. Use them to answer the questions that follow.

A



B



16. Name the type of cattle marked with letter **B**.

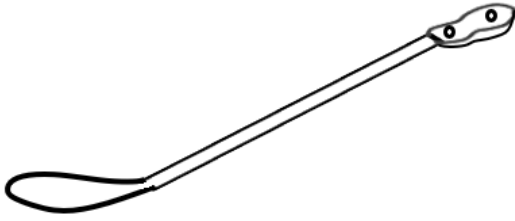
17. How does rearing the type of cattle marked **A** help to prevent deficiency diseases?

18. Mention any **one** factor which needs to be considered when starting a livestock farm.

19. How is pawpaw propagated?

20. How is the kidney important in the human body?

21. Name the garden tool shown in the diagram below.



22. What is the use of the above garden tool to people?

23. State any **one** PIASCY messages are important to school girls.

24. Identify any **one** way people use essential drugs.

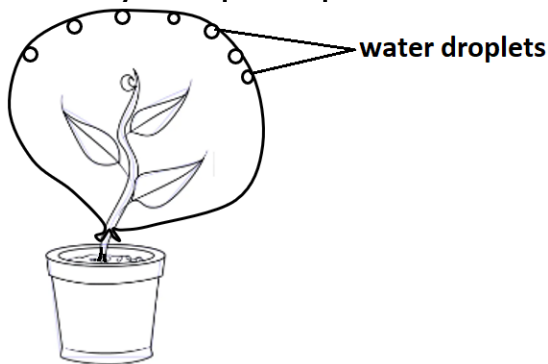
25. Which component of blood is affected by malaria plasmodia?

26. State any **one** danger of acquiring immunity by recovering from illnesses.

27. Why is it dangerous to share clothes with a friend?

28. How are school gardens important to P.7 candidates?

29. Identify the plant process shown in the diagram below.



30. Give any **one** example of an arachnid.

31. Why is it important for farmers to ensure proper spacing of crops in their gardens?

32. Which type of energy is possessed by a stationary ball?

33. Mention any **one** cereal crop that is stored in the granary after harvesting it.

34. How is the use of natural fertilizers friendly to the environment?

35. Write any **one** message that can be communicated to children during a health parade.

36. Why do amphibians lay very many eggs?

37. Give any **one** example of static electricity.

38. Where does fertilization take place in the female reproductive system?

39. How are rabbits important to crop farmers?

40. Which human body organ has a similar function as the antennae of a grasshopper?

SECTION B (60 MARKS)

41. a) What are energy resources?

b) Mention any **one** source of energy resources in the environment.

c) Write down any **two** importance of conserving energy resources.

i) _____

ii) _____

42. Match the groups of organisms in list **A** to their characteristics in list **B** correctly.

List A

List B

i) Mammals

a) Have fins and scale covered bodies

ii) Birds

b) Have mammary glands and fur covered bodies

iii) Fish

c) Can live both on land and in water

iv) Amphibians

d) Have wings and feather covered bodies

Correct order

i) Mammals

ii) Birds

iii) Fish

iv) Amphibians

43. a) How are intestinal worms dangerous to human health?

b) Identify any **two** ways of controlling worm infestation in infants.

i) _____

ii) _____

c) How does proper cooking of meat control tapeworm infestations in people?

44. a) Why is it important to teach children art and crafts in schools?

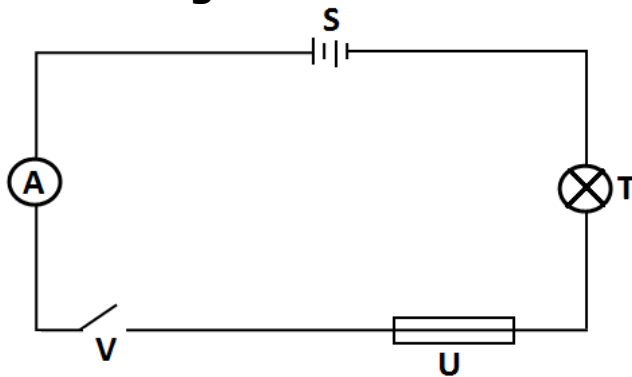
b) Mention any **two** local materials that are used to make craft items?

i) _____ ii) _____

c) How are craft items made from local materials useful to children?

d) In which units is temperature measured?

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



a) Name the part marked with letter **U**.

b) What is the function of the part marked with letter **V**?

c) State the energy change which takes place in part **S** if the circuit is complete.

d) How is the part marked **T** adapted to its function?

46. a) Name the part of a VIP latrine which has a similar function to that of ventilators in a living room.

b) What is the function of a soak pit at home?

c) Suggest any **two** importance of proper disposal of human wastes.

i) _____

ii) _____

47.a) What are physical changes?

b) Give any **two** examples of physical biological changes in humans.

i) _____

ii) _____

c) State any **one** similarity that exists between biological and chemical changes?

48. **The diagram below shows a musical instrument. Use it to answer the questions that follow.**



a) Name the musical instrument shown in the diagram above.

b) How does the above instrument produce sound?

c) How do people increase the pitch of the above musical instrument?

d) Use letter **P** to label the part of the above instrument which produces sound.

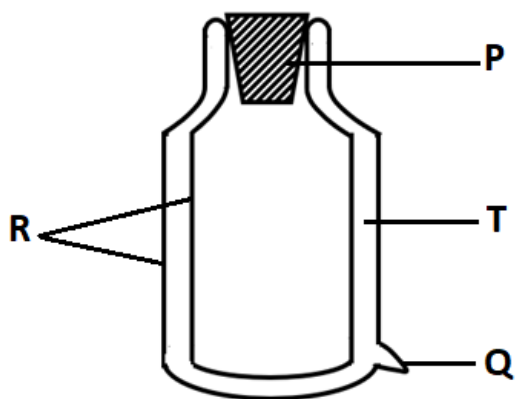
49. a) Mention any **one** substance collected by bees from flowers.

b) Which type of bees provides protection to the queen bee?

c) How are modern bee hives made to prevent queen bee from mixing eggs with honey?

d) How do bees protect themselves from enemies?

50. **The diagram below is of a thermos flask. Use it to answer the questions that follow.**



a) Name the part marked with letter **Q**.

b) What is the function of the part marked with letter **P**?

i) _____

c) By what means does heat escape from the part marked with letter **T**?

d) Why is the part marked with letter **R** made of two walls?

51.a) What causes malaria?

b) Mention any **two** practices at home which help to eradicate malaria vectors?

i) _____

ii) _____

c) State any **one** way malaria affects the circulatory system.

i) _____

ii) _____

52. Study the table below carefully and fill in the blank spaces correctly.

Class of food	Deficiency/Disorder
_____	Constipation
Proteins	_____
_____	Pellagra
Vitamin A	_____

53.a) What is pitch of sound?

b) How does frequency affect pitch of sound?

c) List down any **two** uses of sound to people.

i) _____

ii) _____

54. a) Write AIDS in full.

b) State any **two** measures the government of Uganda has taken to fight the spread of AIDS among its citizens.

i) _____

ii) _____

c) How does circumcision reduce the risk of getting AIDS?

55. a) Give any **two** uses of water at home.

i) _____

ii) _____

b) State **one** way of protecting water sources in our community.

c) How is water important during formation of rainfall?

*****END*****