



CITY PARENTS' SCHOOL SINCE 1999

PLE PREP TEST III TERM 2 2022

PRIMARY SEVEN

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No.

EMIS NO.					Personal No.			

Candidate's Name: _____

Candidate's Signature: _____

District Name: _____

School Name: _____

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. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated, For Examiner's use only.

FOR EXAMINER'S USE ONLY		
Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

Turn over

SECTION A: 40Marks

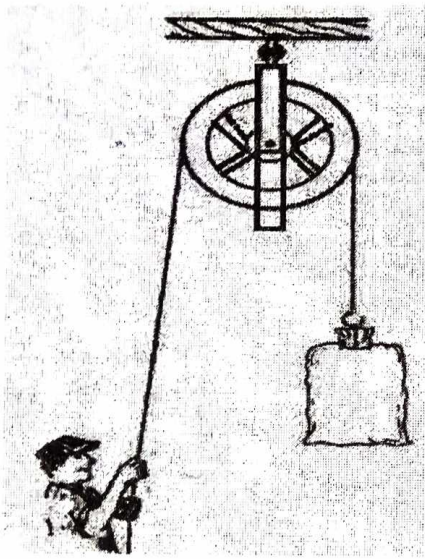
Questions 1 to 40 carry one mark each.

1. How is soap important in promoting personal hygiene?

2. What kind of food should be fed to the elderly vulnerable people?

3. Why is it not necessary to cover the squat hole of a V.I.P latrine?

The diagram below shows a simple machine. study it and answer questions 4 and 5.



4. Put an arrow on the string to show the direction of the effort.
5. How does the simple machine simplify work?

6. Our neighbours child has a pot belly and the face of an old man. He is also very thin. What deficiency disease is he suffering from?

7. State any one method of controlling root crop pests.

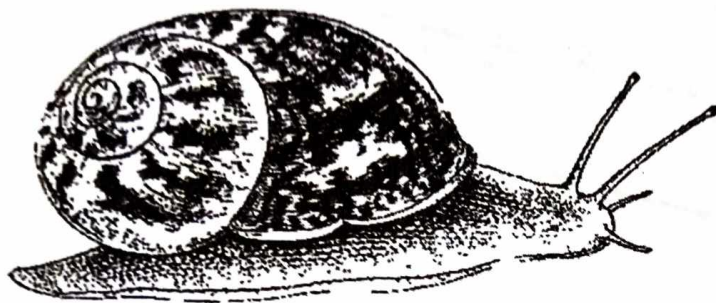
8. Why is it dangerous to break blisters on a burn?

9. Identify the primary sex organ in female animals.

10. Why is an electro magnet known as a temporary magnet?

11. How does refrigeration help in food preservation?

The diagram below shows a common invertebrate. Study and use it to answer question 12.



12. To which group of invertebrates does it belong?

13. How is the animal shown harmful to us?

14. Which characteristic of a fuse enables it to work properly?

15. Identify one method of harvesting cassava.

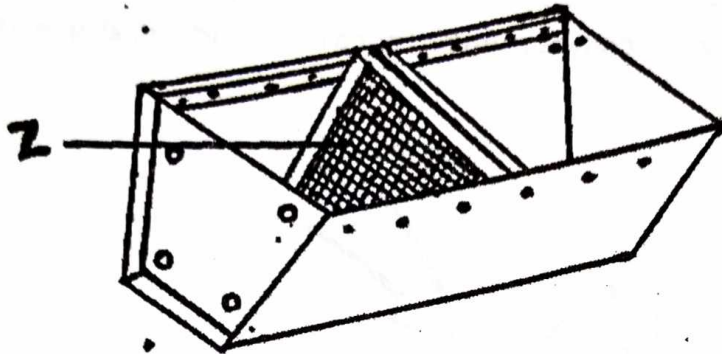
16. Why do insect pollinated flowers have brightly coloured petals?

17. Why should we remove the clothes of a child with a fever?

18. What is the difference between condensation and the rotting of dead matter?

19. State one disadvantage of the free-range system of keeping poultry.

The diagram shows a structure used for keeping of bees. Study and use it to answer question 20.



20. Identify the type of modern bee hive shown above.

21. How is part labelled Z useful to the bee hive?

22. State one way in which air can be used to satisfy man's needs.

23. Nazziwa breathed out onto a mirror and she noticed that a mist-like substance was formed on the mirror. What does this activity prove?

24. Give one example of an involuntary muscle.

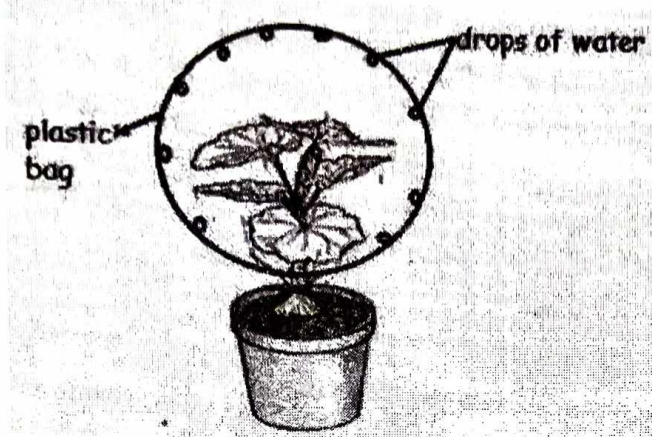
25. Why is glass known as a transparent object?

26. Why should babies be introduced to foods other than breast milk at the age of 4 months?

27. Give one animal food stuff rich in proteins.

28. How is thinning important in crop growing?

Study the diagram and answer the questions which follow. Study and use it to answer question 29 and 30.



29. Which plant process is shown in the diagram?

30. Give one way in which plants overcome the process shown.

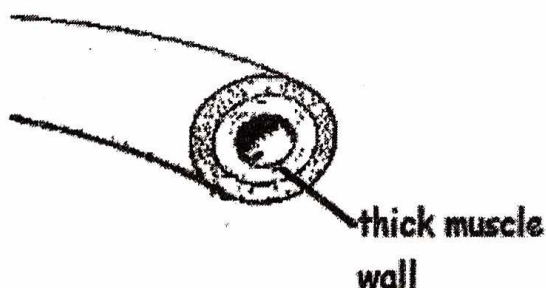
31. State the use of the suckers and hooks to a tape worm.

32. Why are telephone and electric wires left loose between their poles?

33. Name the force which pulls objects towards the center of the earth.

34. Name the organ which filters blood to remove wastes.

The diagram shows a blood vessel. Study it and answer questions 35 and 36.



35. Name the blood vessel shown in the diagram.

36. Why does the blood vessel shown have thick walls?

37. Which delicate body organ is protected by the backbone?

38. Why is the BCG vaccine administered at birth?

39. Why do solids have a definite shape and volume?

40. Mention one disease that spreads through air.

SECTION B: (60marks)

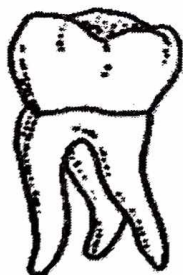
Questions 41 to 55 carry four marks each.

41a) What is swarming?

b) Give **two** reasons why bees swarm.
(i) _____
(ii) _____

c) How is a smoker useful in the harvesting of honey.

42. The diagram shows a tooth. Study and use it to answer questions that follow about it.



a) Name the tooth shown in the diagram.

b) What is the function of the tooth shown in the diagram?

c) How is the tooth shown adapted to its duty?

d) State **one** way of caring for your teeth.

43a) What is puberty?

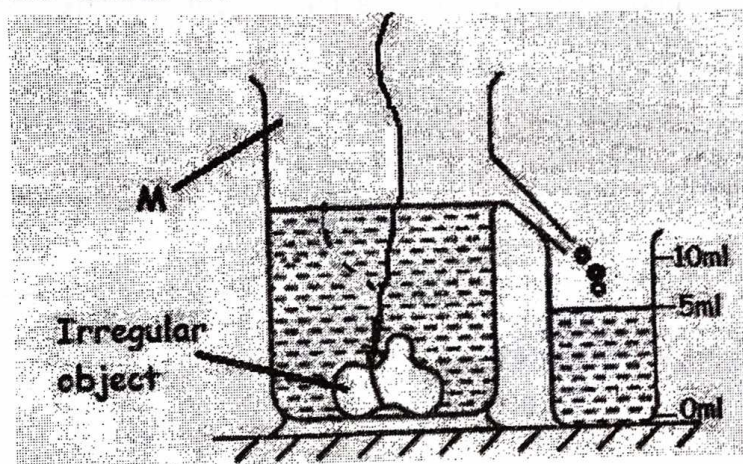
b) State **two** secondary sex changes which occur in both adolescent boys and girls.

(i)

(ii)

c) Mention **one** common problem that happens to the adolescents.

44. The experiment below shows displacement method. Study and use it to answer questions about it.



a) Name the container labelled **M**.

b) What is the volume of the irregular object?

c) If the mass of the irregular object is 25gm. Find its density. (2marks)

45a) State **two** functions of the skin.

(i) _____

(ii) _____

b) Identify **one** skin disease characterized by itching and formation of blisters on the skin.

c) State **one** way of caring for the skin.

46. Match the items in A with the correct ones in B.

A

Circuit

Fuse

Switch

Bulb

B

-converts electrical energy into heat and light.

-breaks and completes the circuit at the user's will.

-melts breaks the circuit when there is overflow of current

-the complete path of an electric current.

(a) Circuit _____

(b) Fuse _____

(c) Switch _____

(d) Bulb _____

47a) Why do we need oxygen in our bodies?

b) What happens to each of the following when we breathe out?

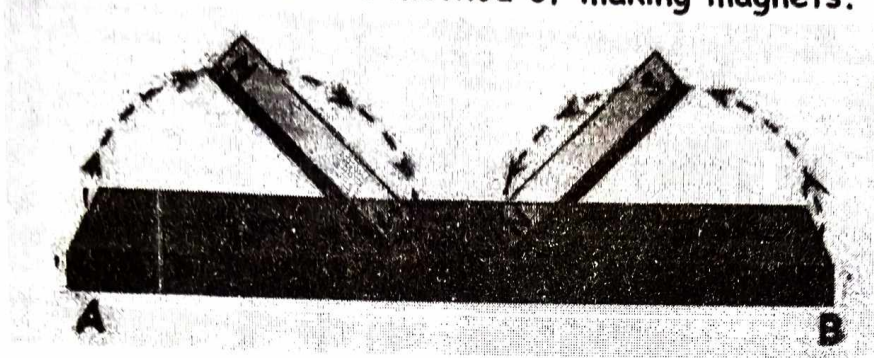
(i) Rib Cage _____

(ii) Diaphragm _____

c) Identify **one** habit that can destroy human lungs

- c) How is the T.T vaccine important to the above groups of people?
-

51. The diagram shows a method of making magnets.



- a) Which method of magnetization is shown in the diagram?
-
- b) Name the pole marked B.
-
- c) What do we call the region around a magnet where magnetism is felt?
-
- d) Identify **one** way a magnet can be demagnetized.
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- 52a) Which component of blood helps in;

- (i) transporting digested food. _____
- (ii) transporting oxygen _____

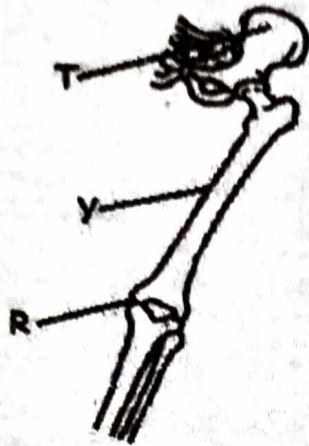
- b) To which system of the body does blood belong?
-

- c) Why is it important to screen any blood to be used for transfusion?
-

- 53a) Give **one** example of the following:

- (i) Natural source of light _____
- (ii) Artificial source of light _____

48. The diagram shows bones found on the lower part of the human skeleton. Study and use it to answer questions that follow.



- a) Name the bones labelled T and Y.
(i) T _____ (ii) Y _____
- b) What type of joint is found at part R.

- c) Give **one** way that you can do to promote proper working of the muscular / skeletal system.

- 49a) What kind of injury is caused by each of the following?
(i) Hot flat iron on the skin _____
(ii) Steam on the skin _____
- b) What first aid is recommended for the above accidents?

- c) State **one** way of preventing the accidents above.

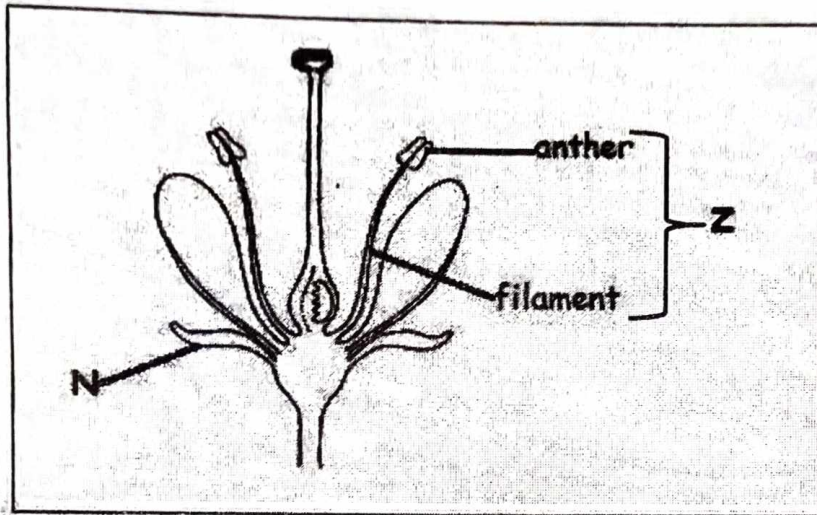
- 50a) Write T.T vaccine in full.

- b) State **two** groups of people who should receive the T.T vaccine.
(i) _____
(ii) _____

b) What is a shadow?

c) Give **one** use of shadows to people.

54. The diagram shows parts of a flower.



a) Name the part labelled N.

b) What happens to pollen grains when they are deposited on part D?

c) Name the part of the flower labelled Z.

d) How is a flower useful to a plant?

55a) Mention **two** man made changes of environmental degradation.

(i)

(ii)

b) State **two** effects of the changes mentioned above to the environment.

(i)

(ii)

THE END