

PRE - PLE TRIAL SET IV EXAMINATION

SUBJECT : INTEGRATED SCIENCE

CLASS : PRIMARY SEVEN

DURATION : 2 HOURS 15 MINUTES

INDEX NO. :

EMIS NO.					PERSONAL NO.		

CANDIDATE'S NAME: _____

CANDIDATE'S SIGN: _____

NAME OF SCHOOL: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO
READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper is made up of two sections: A & B.
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Answer ALL questions in both sections A & B
5. All answers must be written in the spaces provided in **BLUE** or **BLACK** ink. Only diagrams should be drawn in pencil.
6. Unnecessary crossing of work will lead to loss of marks.
7. Poor handwriting, which cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes shown.

FOR EXAMINER'S USE ONLY

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SECTION: A

1. Name the human body organ that enables us to remember.

2. How is friction useful during bathing?

3. Which mineral deficiency disease is caused by worms?

4. State one role of enzymes in the food digestion process.

5. Give one advantages of using thick polythene bags in relation to environmental conservation.

6. Why should babies always be in a warm environment?

7. State one reason why a mirror is regarded as an opaque object yet it is made of glass.

The diagram below shows a child suffering from malnutritional disease. Study it and answer the questions 8 and 9.



8. Name the disease which the above child is suffering from.

9. What advice can you give to the parent to overcome the above condition?

10. State any one difference between soil erosion and soil leaching.

11. Name one member of a family that takes part in a family planning meeting.

12. Why do animals in the zoo live longer than those that live on their own?

13. State one difference between plants and fungi in the way they obtain food.

14. Name the form of energy responsible for changes in the states of matter.

15. Which component gives top soil a black colour?

16. State one way cold blooded vertebrates can raise their body temperature.

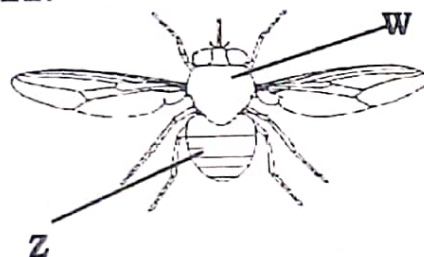
17. Give one role of the human heart in the body.

18. Mention any one bad latrine habit.

19. Give one advantage of rearing cross breeds over pure exotic breeds of goats.

20. Write down any one method of storing sound.

The diagram below shows parts of an insect. Study it and the question 21 and 22.



21. Name part marked with letter **W**.

22. Why does the above insect die when part **Z** is covered with thick oil?

23. How does water help a person who has taken too much alcohol to recover?

24. Why is biogas regarded as a renewable resource?

25. State one risk of acquiring immunity from illness.

26. Apart from convection, mention one other method of heat transfer involved in the process of cooking of food on fire.

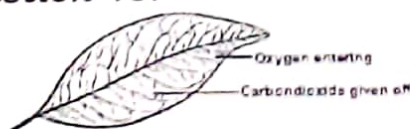
27. Give one role of children in promoting hygiene at home.
28. Give any one function of the bone marrow in the human body.

The table below shows components of air. Study it and answer questions 29 and 30.

Oxygen	Nitrogen	Y	Carbondioxide
21%	78%	Z	0.03%

29. Give one example of component Y.
30. Find the percentage represented by letter Z.
31. How do thick cloths keep us warm during cold weather?
32. Give one way of keeping safe water safe.
33. State one way plants depend on air to survive.
34. Why should a dustbin have a lid?
35. Give one way of preserving fish naturally.
36. Apart from washing, give one other way of keeping our hands clean.
37. Name the vitamin needed by the body to promote good sight.
38. Give one disadvantage of applying insecticides to crops during flowering time.
39. State one benefit of children putting on loose under wears?

The diagram below shows a process taking place in a leaf. Study it and answer question 40.



40. Name the main product of the above process.

SECTION: B

41. (a) Apart from allowing easy mating, state one other advantage of docking in sheep management.

(b) How does docking allow easy mating?

(c) Give two other sheep management practices.

(i) _____

(ii) _____

42. (a) What is an electrical insulator?

(b) Give one example of insulators.

(c) State two importance of insulating electric appliances.

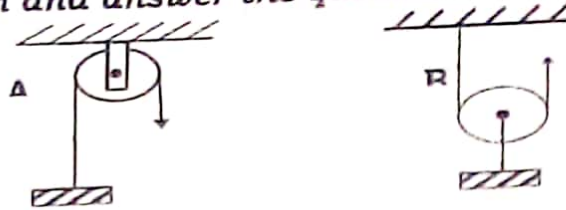
(i) _____

(ii) _____

43. ***Match each of the body organs in list A with the artery***

that supply it.

45. The diagrams below show two types of pulley systems. Study them and answer the questions that follow.



- (a) Name each the pulley systems **A** and **B**.
- (i) **A** _____
- (ii) **B** _____
- (b) Give one advantage of using pulley system **A** over **B**.

- (c) State one difference between **A** and **B** in terms of Mechanical Advantage (MA).

46. (a) Apart from the sun, name one other natural source of energy.

- (b) Mention one form of energy got from the sun.

- (c) Give one item used to harvest sun's energy.

- (d) State any one advantage of using solar energy.

47. The table below shows some components of a food chain in their order. Study it and answer the questions that follow.
- | A | B | C | D |
|-----------|---|---|-------------|
| Producers | X | Y | Decomposers |
- (a) Identify each of the missing components **X** and **Y**.
- (i) **X** _____
- (ii) **Y** _____
- (b) Give one example of organisms under component **D**.

- (c) State one way how component **D** supports component **A**.

48. (a) Apart from recycling, give two other safe ways of managing wastes in the environment.
- (i) _____
- (ii) _____
- (b) Name any one waste material that can be managed by recycling.

- (c) State one advantage of recycling over burning in the management of wastes.

49. (a) State any one activity done to find the number of people living with HIV in an area.

(b) How is the information about people living with HIV important to the government?

(c) Give two ways a school health club can help the government in fighting the spread of HIV in the community.

(i)

(ii)

50. **The diagram below shows a disease vector. Study it and answer the questions that follow.**



(a) Name the vector shown on the diagram.

(b) Mention any one disease spread by the above vector to each of the following.

(i) Cattle

(ii) Humans

c) How can we control the above vector from spread diseases?

51a) Mention any two principles of Primary Health Care.

i)

ii)

b) Name the elements of Primary Health Care that;

i) encourages mother to breast feed their babies.

ii) controls malaria

52. (a) Which term is used to mean the general cleanliness of our body and the things we use?

(b) Give two benefits of keeping our body clean.

(i)

(ii)

(c) Mention one factor that makes some people fail to keep clean.

53. (a) _____
Mention any one body exercise.

(b) Give any one way how body exercises benefits each of the system below.

(i) Circulatory system

(ii) _____
Skeletal system

(c) Give any one disadvantage of too much body exercise.

54. (a) Give one factor that hinders production of enough food during the season.

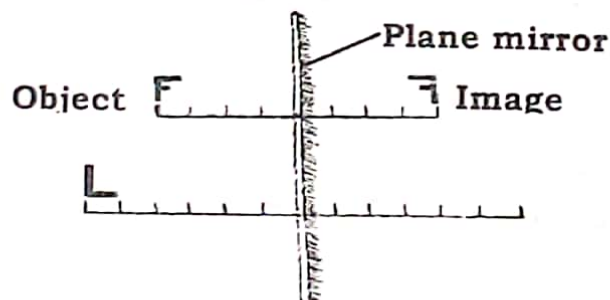
(b) Why is caring very important in the food production process.

(c) Give any two ways of caring for crops in the garden.

(i) _____

(ii) _____

55. **The diagram below shows an illustration about reflection on a plane mirror. Study it and answer the questions that follow.**



(a) Name the type of image shown in the diagram.

(b) Give two characteristics of images formed by a plane mirror shown by the illustration.

(i) _____

(ii) _____

(c) Following the characteristics of images on a plane mirror, draw the image for letter **L**.