

PRE - PLE TRIAL SET VI 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.

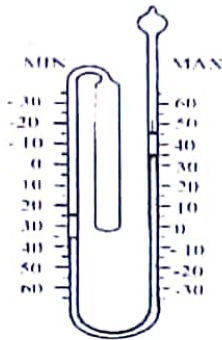
FOR EXAMINER'S USE ONLY

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TOTAL		

SECTION A: 40 MARKS

1. Write down one breed of rabbits commonly kept in Uganda.
2. Give one characteristic that makes both rusting and burning chemical changes.
3. Name one non communicable disease that affects the respiratory system.
4. How do plants in the environment benefit a lion?
5. Mention one role of a worker bee in the hive.
6. Why should the stick used to remove an electrocuted person from the electricity be dry?
7. Give one reason Primary Health Care emphasises easy accessibility to health services.

The diagram below shows an instrument found at the weather station. Use it to answer question 8 and 9.



8. Name the instrument shown in the diagram above.
9. What is the use of the instrument above at the weather station?
10. Give one sign or symptom of scurvy among children.
11. State one difference between mass and weight of an object.
12. Which waste material is removed from the body by the liver?
13. Give one function of the brain to a human being.
14. State the difference in function between the cotyledon of monocots and that of dicots.
15. Give one-way intestinal communicable diseases contribute to loss of water from the body.

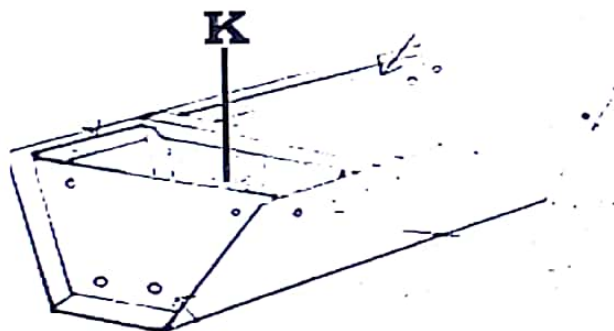
16. State one-way plastics and metal scraps pollute the soil.
17. Give the reason trees planted in agroforestry should be leguminous.

The diagram below shows an invertebrate. Use it to answer question 18 and 19.



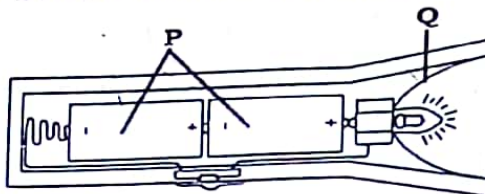
18. Name the group of invertebrates represented by the organisms in the diagram above.
19. How is the invertebrate shown in the diagram above useful in poultry keeping?
20. How can the pitch of sound produced by a string musical instrument be varied time to time when playing it?
21. Give one way of controlling parasites in our clothes.

The diagram below shows a bee hive. Use it to answer question 22 and 23.



22. Name the bee hive shown in the diagram above.
23. How does part marked K promote the cleanliness of the honey harvested from the above bee hive?
24. Explain how the making of new items from wastes in the environment help to promote environmental conservation.
25. State one-way cattle keeping helps to improve the health of infants in the community.
26. How is the stamen of a flower similar to the testicles of the male reproductive system?
27. Give one way your father can gain natural immunity.

The diagram below shows an ordinary torch. Use it to answer question 28 and 29.



28. Name part marked Q on the torch in the diagram above.

29. State one condition under which part marked P can contribute to the failure of the working of the device shown in the diagram above.

30. Give one way pruning controls the spread of diseases in coffee plants.

31. Name one disease in pigs which is majorly controlled by regular vaccination.

32. State the difference in behaviour between the biceps and triceps muscles when the arm is straightened.

33. State the way in which pineapple are similar to bananas in the way they are propagated.

34. Write down one role of a school health club.

35. Name the part that absorbs shock in the tooth.

36. How does conducting a health survey helps to improve the health of Ugandan citizens?

37. Give one function of blood plasma in the human body.

38. Write down one characteristic of forms of energy.

39. State the advantage of applying ash in the faecal chamber of an ECOSAN latrine.

40. Give one structural difference between a frog and a toad.

SECTION B: 60MARKS

41. The table below shows vectors, diseases they spread and how they spread them. Study and complete it wisely.

Vector	Disease spread	How the disease is spread
Blackfly		By biting
	Bubonic plague	By biting
Lice		By biting
Fresh water snails	Bilharziasis	

42a) Beside battery system, name two other systems used for poultry keeping.

(i) _____

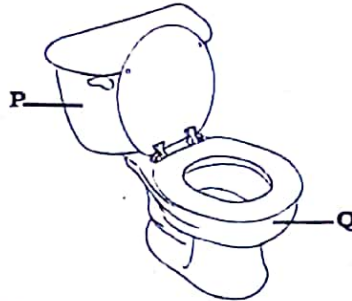
(ii) _____

b) Give **two** advantages of using battery system for keeping poultry.

(i) _____

(ii) _____

43. *The diagram below shows a toilet. Study and use it to answer questions that follow.*



a) Name part marked P and Q

(i) P . _____

(ii) Q . _____

b) Why is the above toilet not commonly used by people in rural areas?

c) Give **one** advantage of using the above toilet.

44a) Give **two** ways cooked food gets contaminated.

(i) _____

(ii) _____

b) Write down any **two** diseases spread through eating contaminated food.

(i) _____

(ii) _____

45a) Name the substance in tobacco smoke that causes lung cancer.

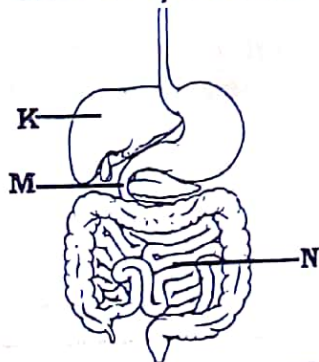
b) State any **two** effects of tobacco smoking to a pregnant woman.

(i) _____

(ii) _____

c) Mention any **one** life skill that can help a primary seven candidate to avoid smoking.

46. *The diagram below shows a human system. Study and use it to answer questions that follow.*



- c) Give one reason a school should have committees in charge of health of its members.

51a) Give the meaning of the term seed dispersal.

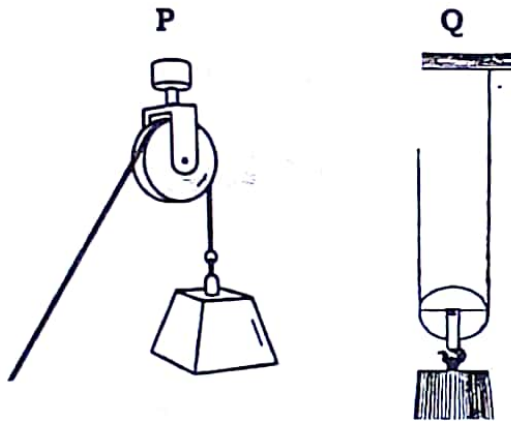
- b) How is the brightly coloured epicarp of a mango fruit encourage seed dispersal?

c) Give two ways seed dispersal help in conservation of resources in the environment.

(i)

(ii)

52. *The diagrams below show two pulleys. Study and use them to answer questions that follow.*



- a) Name the type of pulley marked with letter Q.
- b) Put an arrow on the string of pulley P to show how force is applied on it.
- c) If pulley Q was used to lift a load of 400N through a distance of 2m using a force of 200N. Determine its efficiency.

53a) How do poultry farmers make use of vacuum flasks?

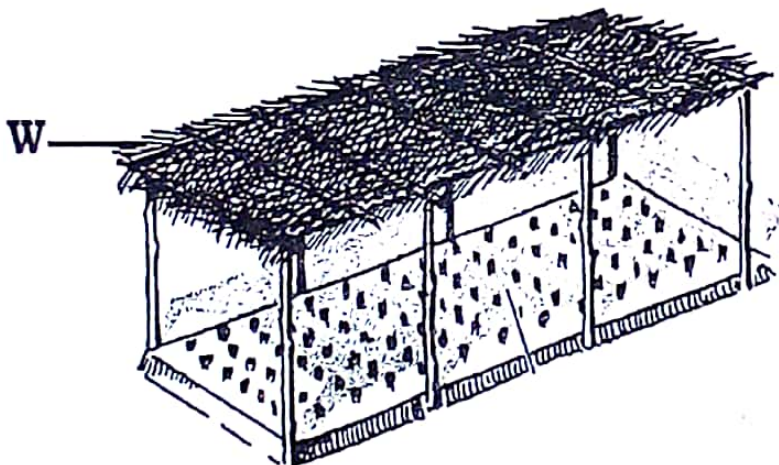
- b) Which part of the vacuum flask does each of the following' roles.
- (i) Preventing heat loss or gain by conduction.
- (ii) Preventing heat loss or gain by convection and conduction.
- (iii) Preventing heat loss or gain by radiation.

54. Family planning refers to the use of birth control methods to decide whether to have or not to have a child in a family.

- a) Name the permanent birth control method in;
- (i) Males:
- (ii) Females:
- b) How does prolonged breast feeding help to control pregnancies?

c) State one advantage of practising family planning in a family.

55. The diagram below shows a structure used in crop growing. Study and use it to answer questions that follow.



- a) Name the structure shown in the diagram above.
- b) Write down one material that can be used to make part marked W on the structure above.

c) Give one way the above structure is important to each of the following.

(i) Farmers

(ii) Seedlings: .