

IN GRANDMOTHER'S ARMS NURSERY & PRIMARY SCHOOL

P.O Box 451, Tel: 0773310808/0701391839

SPECIAL PRE-MOCK SET 1

INTEGRATED SCIENCE

TIME ALLOWED: 2HRS 15 MINUTES

INDEX NO.

--	--	--	--	--	--	--	--

NAME _____ SIGNATURE _____

SCHOOL _____ STREAM _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully

1. This 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 in Section A and Section B. Answers must be written in the spaces provided.
5. All answers must be written using a blue or black ball-point pen or ink. Only diagrams may be done in pencil.
6. Unnecessary alternation of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.

FOR EXAMINER'S USE ONLY

PAGE NO	Page 2	Page 3	Page 4	Page 5	Page 6	Page 7	Page 8	TOTAL
MARKS								
SIGN								

SECTION: A (40 MARKS)

1. Name the natural source of solar energy in the environment.

2. How are insecticides applied on crops to kill pests?

3. Which structures in blood vessels prevent back flow of blood?

4. Why is a piece of paper said to be a non-magnetic material?

5. In which way is preproduction in yeast different from that of mushrooms?

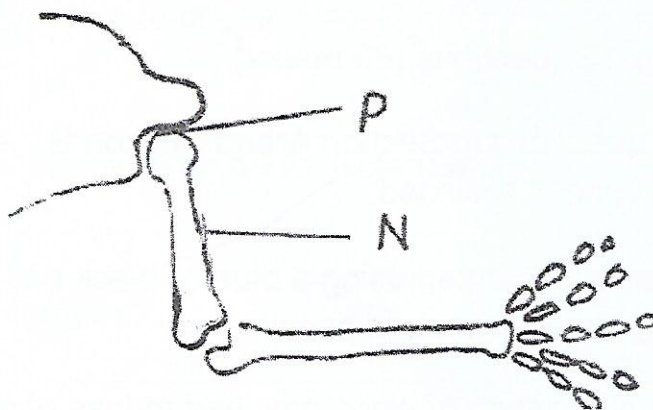
6. Why is it advisable for non smokers to stay away from active smokers?

7. Name any one physical change that helps in rain formation.

8. In which way is calcium important in the diet of egg laying hen?

9. Why is water prepared by boiling, best for human consumption?

Study the joint below and answer questions 10 and 11.



10. What common accident happens at joint marked P?

11. Name the bone marked with letter N.

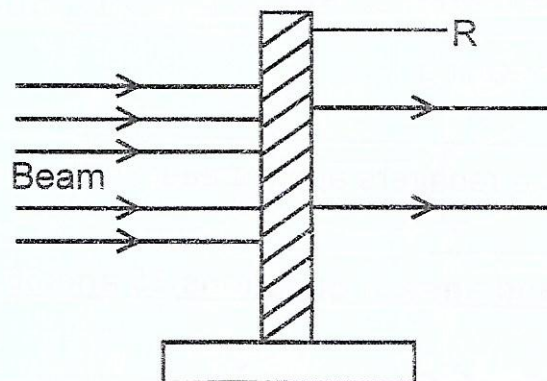
12. Why are windows of classrooms filled with transparent glasses?

13. How can a primary seven pupil kill parasites on his / her school uniform?

14. Name the convenient way of finding the volume of a stone.

15. Coniferous plants do not produce flowers, how is their reproduction similar to that of a bean plant?
-
16. How can a cattle farmer control unnecessary mating by un desired bulls on his farm?
-
17. Which condition of weather increases the rate of transpiration in plants?
-

Study the effect of light on an object below to answer questions 18 and 19.



18. Identify the object placed R.
-
19. Give a reason to support your answer in questions (18) above.
-
20. To which group of invertebrates does a slug belong?
-
21. How do tsetse flies spread sleeping sickness to people as vectors?
-
22. Why do women sprinkle water on dusty house floor before sweeping?
-
23. State the use of alveoli in human respiratory system.
-
24. Give a reason why cinema halls are covered with soft boards.
-
25. How are enzymes important in the process of digestion of food in the body?
-
26. What are mulnutritional diseases?
-
27. Give any one property that enables clay soil to retain water for a long time.
-
28. Name the intestinal worm responsible for causing anaemia to the body.
-

29. In which way is water used to prevent food contamination in our homes?

30. Which part of a clinical thermometer stops mercury from flowing backwards.

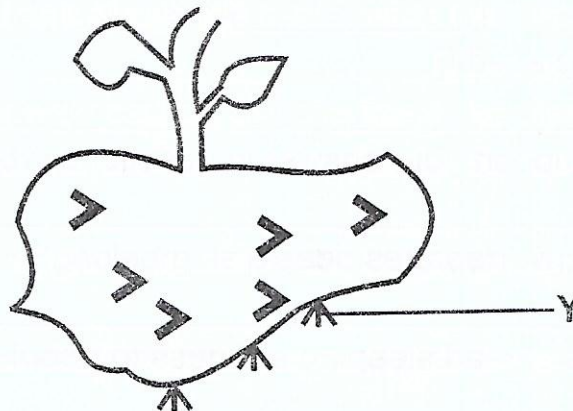
31. State one reason for removing food particles sticking on the teeth.

32. Which component of air is reduced in the atmosphere by the process of photosynthesis?

33. Write PIASCY in its full meaning.

34. Give a reason why bicycle repairers apply grease in the moving parts.

Study the stem tuber and answer questions 35 and 36.



35. Name the root marked Y.

36. Identify the food value obtained from eating the stem tuber above.

37. What causes trachoma?

38. Why is a pair of scissors grouped under first class order?

39. Apart from body contact, how else do communicable diseases spread from an infected to a healthy person?

40. Where are male gametes produced in man?

SECTION: B (60 MARKS)

41. a) What is drug prescription?

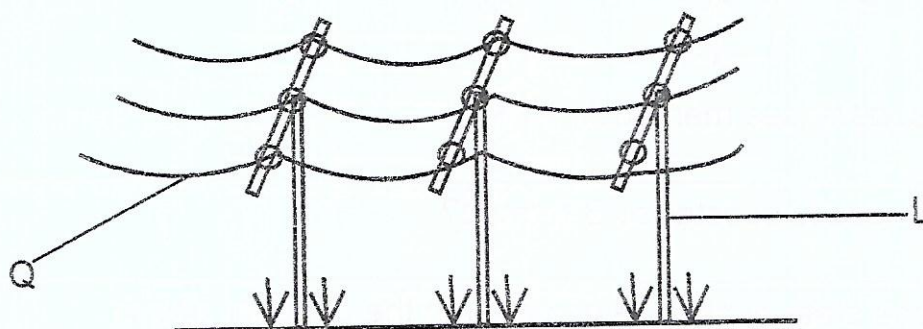
b) Write any two information written on drug containers.

i) _____

ii) _____

c) Why is drug prescription important to a patient?

42. **Study the electric grid and answer question 42.**



a) Name the parts of the grid marked.

i) Q _____ ii) L _____

b) How is part Q useful in the grid?

c) Why is part Q always fixed loosely on L?

43. **Match activities in list A to elements of Primary Health Care in list B.**

A

Providing meals

Sweeping

Tying fractured bone

Cleaning teeth

B

water and sanitation

personal hygiene

food and nutrition

first aid

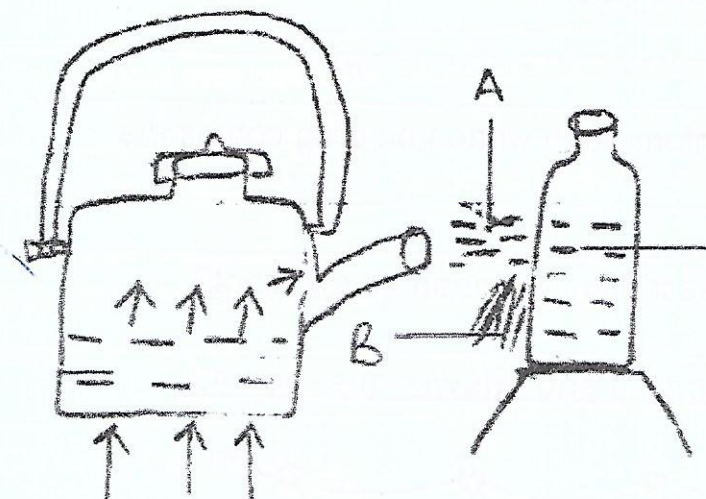
i) Providing meals

ii) Sweeping

iii) Tying fractured bone

iv) Cleaning teeth

Study the change of state in matter below to answer question 44.



44. a) Name the substances marked A.

b) By what process is substance B formed?

c) State any one state of change of matter in the diagram above.

d) What form of energy causes the change in the state of matter in the diagram?

45. a) What is meant by the term reflection in light energy?

b) State any two similarities between sound and light.

i) _____

ii) _____

c) Name the natural optical instrument.

46. a) Fill in the table correctly.

Mixture of

mode of separation

Juice and seeds

ii) _____

i) _____

winnowing

Beans and gravels

iv) _____

iii) _____

pouring

47. a) Give any two ways of conserving non renewable resources like petroleum.

i) _____

ii) _____

b) State any two ways in which petroleum fuels are dangerous to the environment.

- i) _____
- ii) _____

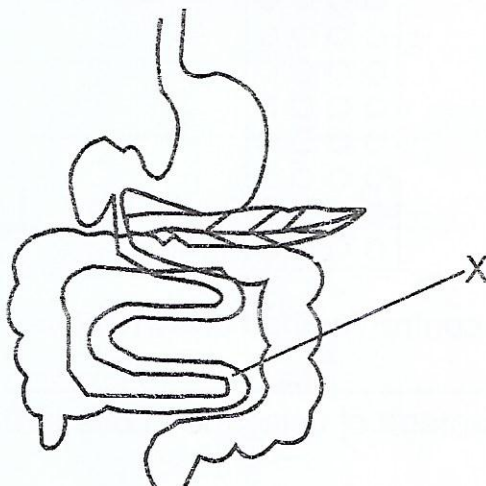
48. a) Give any two ways a poultry bird can use its beak to cause vices.

- i) _____
- ii) _____

b) Besides debeaking, give two other ways of controlling vices on a poultry farm.

- i) _____
- ii) _____

49. Study the part of alimentary canal below and answer question 49.



a) Which digestive process takes place in part marked X?

b) Give any two adaptations of the part marked X for the above process.

- i) _____
- ii) _____

c) Use letter M, label the part responsible for producing pancreatic juice.

50. a) State any two road safety designs for controlling accidents.

- i) _____
- ii) _____

b) Give two ways a driver can cause road accidents.

- i) _____
- ii) _____

51. a) What are insulators in electricity?

b) State any two uses of electricity in everyday life.

- i) _____
- ii) _____

c) Give one danger of electricity to people.

52. a) What is air pollution?

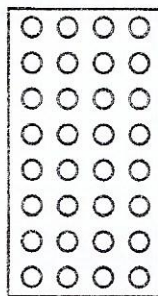
b) State two ways in which human activities lead to air pollution.

i) _____

ii) _____

c) Identify any one air pollutant.

53. Study the birth control method item and answer question 53.



a) Identify the birth control method drawn above.

b) Give one disadvantage of using the above birth control method to mothers.

c) State two requirements for an expectant mother.

i) _____

ii) _____

54. a) What is agro forestry?

b) State two ways in which crops benefit from trees in the garden.

i) _____

ii) _____

55. a) Why are house flies not grouped under social insects?

b) Give two ways in which social insects benefit from working together.

i) _____

ii) _____

c) Name any one product of bees.

END