



RAPHA EXAMINATIONS BOARD

" Education is an investment"

P.5 STANDARD EXAMINATIONS SET **16**

INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

PUPIL'S NAME:.....

PUPIL'S SIGNATURE:.....

SCHOOL NAME:.....

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 **12** 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 a pencil.
6. **Unnecessary** changes in your 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 table indicated: **" FOR EXAMINERS' USE ONLY"** and boxes inside the question paper.

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

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TURN OVER

SECTION A (40 MARKS)

1. What is matter?

2. How do animals depend on plants?

3. Identify one way mushrooms are useful to man.

4. Name the last stage in a village food path.

5. Why does a black piece of cloth receive more heat than a white piece of cloth from the Sun?

6. In which part of the digestive system of man does absorption of water take place?

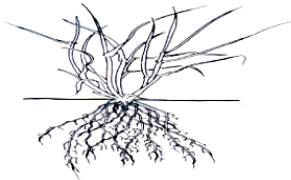
7. Mention one disease spread by a housefly.

8. How does a dog protect itself against enemies?

9. Give one example of a cereal crop.

10. Identify one cause of soil erosion.

11. Name the type of root system below.



12. How is a measuring cylinder useful to a P.5 pupil in the Science Lab.?

13. Identify one factor a farmer should consider before setting a bee hive.

14. Write PHC in full.

15. Give one reason why farmers should keep farm records.

16. Name one bird that pollinates farmers' crops.

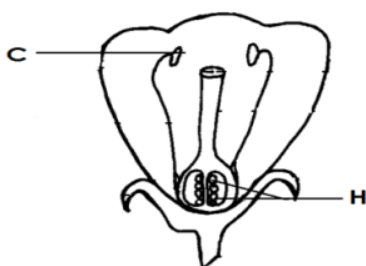
17. State one way in which food is useful in our body.

18. What process enables plant roots to absorb water from the soil?

19. How is a vacuum flask an important device in a home?

20. Apart from painting, give one other way metals can be protected against rusting.

The diagram below shows different parts of a flower.



21. Name part labeled C.

22. What will part marked H develop into?

23. How are feelers (antennae) useful to an insect.

24. Give one way of preventing children against mosquito bites.

25. Why is a fire extinguisher useful in a school?

26. Apart from egg eating, mention one other bad habit in poultry.

27. How are prop roots useful to a plant?

28. State one reason why electric wires are loosely fixed between poles.

29. What name is given to the small stones found in the gizzard of a bird?

30. Apart from mushrooms, give one other example of fungi.

31. Which component of soil is used by green plants to make starch?

32. Identify one type of manure.
-
33. Kakobogo stepped on ice and discovered that it was cold. Name the sense body organ that enabled him to tell that it was cold.
-
34. Why does a piece of paper float on water?
-
35. Name one process by which matter changes state from liquids to gases.
-
36. Nakibuuka fried sauce with onion spices and Dorothy could smell them in the next room. What process enabled the smell to reach Dorothy in the next room?
-
37. name the second stage in the life cycle of a cockroach.
-
38. How do tape worms find their way into the human body?
-
39. Change 50°C to °F.
-
40. State one way a farmer may keep soil fertile.
-

SECTION B

- 41.a) What is apiculture?
-
- b) State one cause of swarming in bees.
-
- c) How are bees useful to:
- i) flowers _____
 - ii) people _____
- 42.a) Give one reason why movement is important to animals.
-

b) Which body organs perform the following functions in man:

i) removing sweat _____

ii) removing impurities from blood _____

c) Name one way a P.5 child can keep his/her body organs in a good (healthy) condition.

43.a) Mention two ways in which bacteria can be useful to man.

i) _____

ii) _____

b) Suggest any two dangers of bacterial to man.

i) _____

ii) _____

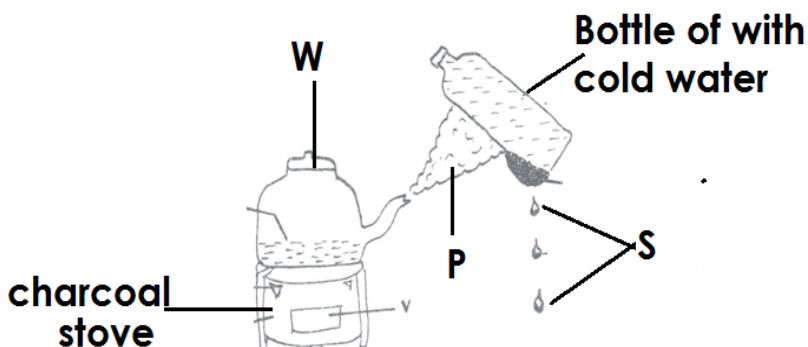
44.a) Name any two types of thermometers.

i) _____ ii) _____

b) Other than mercury, name another liquid used in thermometers.

c) Give one advantage of using mercury in thermometers.

45. **The diagram below shows an experiment carried out by Gabula Charles of P.5.**



a) What name is given to substance P?

b) By what process is substance S formed?

c) Identify one process in the environment similar to that shown.

d) What material is suitable for making part W?

46.a) Air is a mixture of gases. Mention two components of air.

i) _____ ii) _____

b) What name is given to moving air?

c) Give one danger of moving air to man.

d) What element of air is used by green plants to make starch?

47. **Match items in A to those in B properly.**

A

Lack of vitamin A

Lack of Iron.

Lack of proteins

Lack of carbohydrates

B

Kwashiorkor

Marasmus

Night blindness

Anaemia

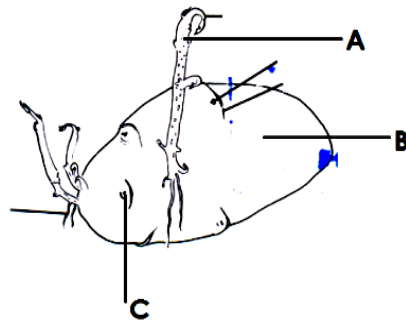
a) Lack of vitamin A _____

b) Lack of iron _____

c) Lack of proteins _____

d) Lack of carbohydrates _____

48. **The diagram below shows a stem tuber.**



a) Name parts labeled A and B

i) A _____ ii) B _____

b) How are Irish potatoes propagated?

c) What food value is directly got from eating Irish potatoes?

49.a) What is heat?

b) Name one natural source of heat.

c) By what process does heat travel through:

i) gases _____

ii) solids _____

50.a) Name the type of immunity got after recovering from a disease.

b) Name one disease whose vaccine is given at birth.

c) Which immunisable disease affects the skeleton?

d) Identify the body which organizes and carries out immunization programmes in Uganda?

51.a) What is poultry?

b) Give one type of chicken.

c) Write down two reasons why people keep domestic birds.

i) _____

ii) _____

52.a) Give one example of each of the following types of changes.

i) physical change _____

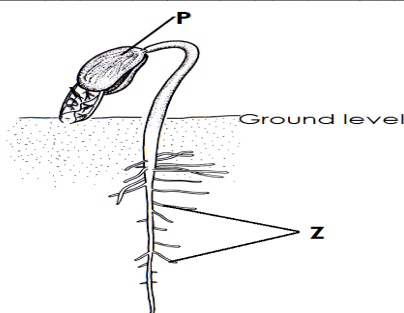
ii) biological change _____

iii) chemical change _____

b) Write one characteristic of a chemical change.

53.a) What is germination?

b) Identify the type of germination shown below:



c) Name part labeled P.

d) Give the use of part Z to a germinating seed.

54.a) What are root crops.

b) Mention any two examples of root crop.

i) _____

ii) _____

c) Give one reason why, root crops are sprayed.

55. James mixed the following sugar, salt and water and stirred.

a) What do you think happened to the sugar and salt after some time?

b) What did the following act as:

i) water _____

ii) sugar and salt _____

c) Mention one method of separating mixtures.

END