



PURSUIT OF EXCELLENCE EXAMINATIONS BOARD

PRIMARY FIVE END OF TERM III EXAMINATION

2023

INTEGRATED SCIENCE

**Time Allowed: 2 hours 15 minutes**

**Pupil's Name** .....

**School Name** ..... **Stream** .....

**District name** .....

**Read the following instructions carefully:**

1. Write your **school** or **district name** in the spaces provided above.
2. This paper has two sections: **A** and **B**  
section **A** has **40** questions and section **B** has **15** questions. The paper has **13 printed pages** altogether.
3. Answer **all** questions. **All** answers to both Sections **A** and **B** must be written in the spaces provided.
4. **All** answer must be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
6. Do not fill anything in the table:  
**"FOR EXAMINERS" use only** and the boxes inside the question paper.

**FOR EXAMINER'S  
USE ONLY**

Qn. No	MARKS	EXR'S No.
1 - 10		
10 - 20		
20 - 30		
30 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
<b>TOTAL</b>		

## SECTION A: 40 MARKS

Questions **1** to **40** carry **one** mark each.

1. Name the type of soil used in pottery and ceramics.  
.....
2. State any **one** reason for giving first aid to a casualty of burns.  
.....
3. Give any **one** way in which crop farmers can care for their crops in the garden.  
.....

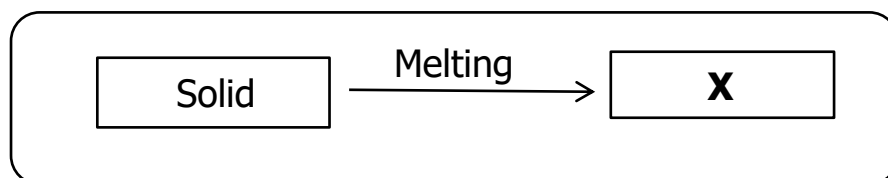
The diagram below shows an instrument used in measurement. Study and use it carefully to answer questions **4** and **5**.



4. Name the above drawn instrument used in measurement.  
.....
5. Give the use of the above drawn instrument in (4) above.  
.....
6. State any **one** way in which a P.5 pupil can perform oral hygiene.  
.....

7. Why is a moss plant referred to as a non-flowering plant?  
.....
8. Give any **one** way in which diseases spread by houseflies can be controlled in a home.  
.....
9. Mention any **one** element of weather that requires use of an umbrella.  
.....
10. How is chlorophyll important to plants during photosynthesis?  
.....
11. Give any **one** example of animal proteins.   
.....
12. Which digestive juice is produced by the human liver?  
.....
13. Name the internal parasite that feeds on digested food from the host.  
.....

Use the diagram of the change of state of matter below to answer questions **14** and **15**.



14. Name the state of matter represented by letter **X**.  
.....
15. What form of energy causes the above change of state?  
.....

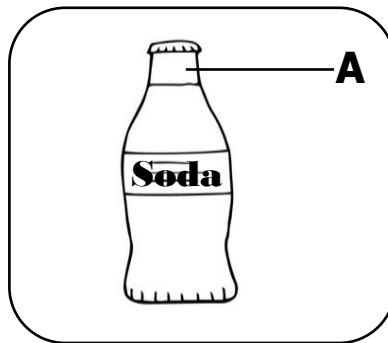
16. Give any **one** example of a crop that stores food in the swollen underground roots.

.....

17. State the reason why water is regarded as a universal solvent.

.....

The diagram below shows a bottle filled with soda. Study and use it to answer questions **18** and **19**.



18. Name the part of air stored in the space labelled **A**.

.....

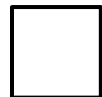
19. State the reason for leaving the space labelled **A** in the diagram above.

.....

20. Why it advisable to iron clothes before wearing them?

.....

21. Name the type of honeybees that collect pollen in a hive.



.....

22. Give any **one** way in which a P.5 pupil can promote sanitation in a school.

.....

23. Mention **one** factor considered when setting up goat farming.

.....

24. Which element of Primary Health Care (PHC) is promoted when spraying mosquitoes with insecticides?

.....

25. How is the clinical thermometer important to a doctor?

.....

26. Name the garden tool used for harvesting ready and mature cereal crops in the garden.

.....

27. State **one** characteristic of physical changes.

.....

28. Give any **one** way in which honeybees are useful in the environment.

.....

29. Mention **one** type of pollination that takes place in flowering plants.

.....

30. Which the type of goats do farmers keep mainly for milk production?

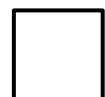
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31. In which way does terrace farming control soil erosion in hilly areas?

.....

32. Name the part of a seed that develops into a young plant.  
.....
33. By what process does heat pass through a vacuum?  
.....
34. Give **one** example of exotic breed of chicken reared by poultry farmers in Uganda.  
.....
35. Name the human body organ that manufactures vitamin **D** with the help of sunlight.  
.....
36. State **one** reason why animals move from one place to another.  
.....
37. Mention the fungi that is eaten as food by people.  
.....
38. Why it advisable to wash hands with water and soap after visiting latrine or toilets?  
.....
39. Which method of grazing allows chicken to move roam freely from one place to another?  
.....
40. Give **one** condition necessary for seed germination.  
.....



## SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41. (a) Give the meaning of personal hygiene.

.....  
.....

- (b) State any **two** ways of promoting personal hygiene.

(i) .....

(ii) .....

- (c) Name **one** disease that can spread through poor personal hygiene.

.....

42. (a) What term refers to the massive movement of honeybees from one place to another?

.....

- (b) State any **two** reasons for the massive movement of honeybees from one place to another.

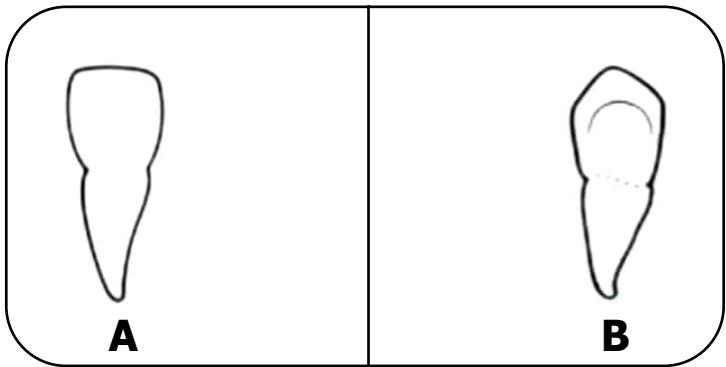
(i) .....

(ii) .....

- (c) Give **one** way of preventing massive movement of honeybees from one place to another.

.....

43. Use the diagram of the human teeth below to answer the questions that follow.



- (a) Give the function of type of teeth marked **A** and **B**.
  - (i) **A** .....
  - (ii) **B** .....
- (b) Name **one** disease that attacks the human teeth.
 

.....
- (c) State any **one** way of caring for the human teeth.
 

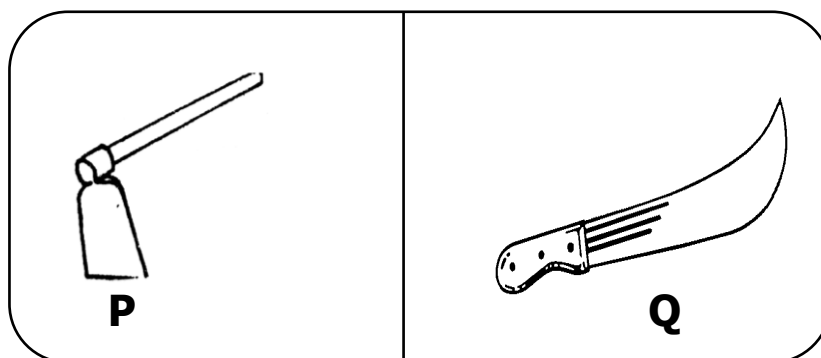
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44. (a) By what process does water turn into ice?
- .....
- (b) Mention the process by which heat travels in the following states of matter.
- (i) Solid state of matter
- .....
- (ii) Liquid state of matter
- .....
- (c) Give **one** way in which man uses heat in daily life.
- .....



45. (a) What term is used to describe the organisms that destroy farmers' crops in the garden and stores?
- .....
- (b) Give any **two** examples of the named organisms in **45 (a)** above.
- (i) .....
- (ii) .....
- (c) State any **one** way of controlling the above named organisms in **(b)** above.
- .....
46. Use the diagram of the garden tools below to answer the questions that follow.



- (a) Name the garden tools marked **P** and **Q**.
- (i) **P** .....
- (ii) **Q** .....
- (b) Give the use of the garden tool marked **P** to a farmer.
- .....
- (c) State any **one** way of preventing the named garden tools from rusting.
- .....



47. The table below shows the administration of vaccines of some diseases. Study it carefully and fill in the blank spaces.

Disease	Vaccine given	Age
Polio	Oral Polio Vaccine	.....
.....	BCG vaccine	At birth
Hepatitis B	.....	6 weeks
Measles	Measles vaccine	.....

48. (a) Give any **two** examples of sinking objects.

(i) .....

(ii) .....

- (b) State the reason why some objects sink in water.

.....

- (c) What determines the sinking and floating of an object?

.....

49. (a) Who is a first aider?

.....

.....

- (b) Give **two** items the first aider uses for administering first aid to a casualty.

(i) .....

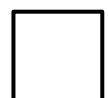
(ii) .....

- (c) Name the tool used for storing first aid items.

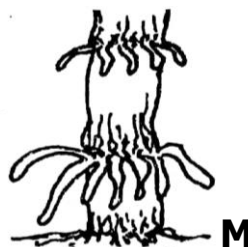
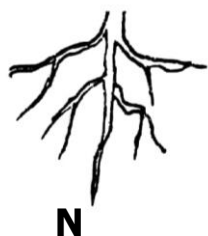
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50. (a) Give any **two** examples of root tuber crops grown by farmers.  
(i) .....  
(ii).....
- (b) How is a cassava plant propagated?  
.....
- (c) State any **one** way of harvesting root tuber crops.  
(i) .....
51. (a) What type of change occurs in living things and involves growth?  
.....
- (b) Give **two** examples of chemical changes.  
(i) .....  
(ii) .....
- (c) State **one** characteristic of chemical changes.  
.....
52. (a) Mention any **two** types of weather  
(i) .....  
(ii).....
- (b) Name the element of weather suitable for;  
(i) Harvesting cereal crops  
.....  
(ii) Winnowing seeds  
.....



53. Use the diagram of the root systems below to answer the questions that follow.



- (a) Name the root system shown with letter **M** and **N**.
- (i) **N** .....
- (ii) **M** .....
- (b) Give any **one** crop that belongs to root system marked **M**.
- .....
- (c) State **one** use of roots to plants.
- .....

54. (a) Give the meaning of matter.
- .....
- .....
- (b) Name the state of matter with the greatest cohesion force.
- .....
- (c) State any **two** properties of matter.
- (i) .....
- (ii) .....

Use the table of mixtures in part **A** and the method of separation in part **B** to answer the question that follows.

<b>Part: A</b>	<b>Part: B</b>
Passion fruit juice and seeds	Use of magnet
Bean seeds and the husks	Evaporation to dryness
Salt solution	Filtration
Iron filings in a maize flour	winnowing

55. Match correctly the mixtures in part **A** with their methods of separation in part **B**.

(i) Passion fruit juice and seeds .....

(ii) Bean seeds and the husks .....

(iii) Salt solution .....

(iv) Iron filings in a maize flour .....

