



RAPHA EXAMINATIONS BOARD

" Education is an Investment "

P.7 STANDARD FINAL SET

INTEGRATED SCIENCE FINAL SET 2024

Time allowed: 2 Hours 15 Minutes

Random No.						Personal No.		

Candidate's Name:.....

Candidate's Signature:.....

District Name:.....

Read the following instructions carefully:

- 1.This paper has **two** sections: **A** and **B**.
- 2.Section **A** has **50** questions (**50 marks**)
- 3.Section **B** has **5** questions (**50 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.

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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		

Turn Over

SECTION:A

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

1. Which property of air is used in filling balloons ?

.....

2. In which **one** way can used-up plastics be useful in a home ?

.....

3. Mention the communicable disease that affects the throat in babies.

.....

4. State any **one** agent of soil erosion.

.....

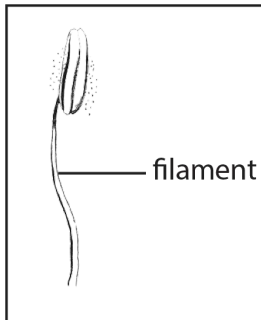
5. Which type of latrine is commonly used in rural areas ?

.....

6. Give the use of safety pins in the first aid box.

.....

Use the diagram below to answer questions **7**.



7. What type of reproduction cell is produced by the above diagram ?

.....

8. Write down any **one** effect of pests and diseases to a crop farmer.

.....

9. Give the element of **PHC** which promotes our body cleanliness.

.....

10. Annita is a pupils who likes playing from dirty places but she is likely to get some diseases. Why should she wash her body with clean water and soap ?

.....

11. Why should harvesting honey be done at day time ?

.....

12. Identify any **one** cause of Bilharzia in most children in your community.

.....

13. Give any **one** importance of grazing cattle in a paddock system.

.....

14. Define the term drug discription.

.....

.....

15. To which group of vertebrates do birds belong ?

.....

16. Give **one** reason why a ruler is regarded as matter.

.....

17. Which organ in the body is greatly affected by heavy smoking ?

.....

18. In which **one** way do people pollute water as a resource in the environment?

.....

19. How are bacteria useful in the formation of soil ?

.....

20. Mention the function of a fuse in an electric circuit.

.....

21. Identify the germ that causes cholera to people .

.....

22. Write down any **one** disadvantage of using bio gas in the community.

.....

23. State the immunization site for polio.

.....

24. By what process does heat travel through gases ?

.....

25. Name the type of leaf shown below.



.....

26. Write down any **one** way of storing sound.

.....

27. Give any **one** function of muscles in the body.

.....

28. What is meant by the term social insects ?

.....

.....

29. Why is advisable for people to wear face masks while in public ?
.....
30. How is mulching the garden useful to a crop farmer ?
.....
31. Define the term hydro-static skelton.
.....
.....
32. Give any **one** advantage of planting crops in rows.
.....
33. What type of fertilization does a frog undergo ?
.....
34. How do mushrooms multiply themselves ?
.....
35. What health problem is likely to be experienced by people who live near fast flowing rivers ?
.....
36. State **one** characteristic that qualifies a butter fly to be an insect.
.....
37. NEMA is a body that ensures the conservation of our environment.
Write NEMA in full.
.....
38. Besides identification, how is a comb useful to a bird ?
.....
39. Write **one** condition of weather.
.....

40. Write any **one** natural factor which makes people to lack water in an area.

.....

SECTION:B

Answer **all questions** in this section
Questions **41** to **55** carry **four** marks each

41.(a) Mention **two** disorders of the human digestive system.

(i)

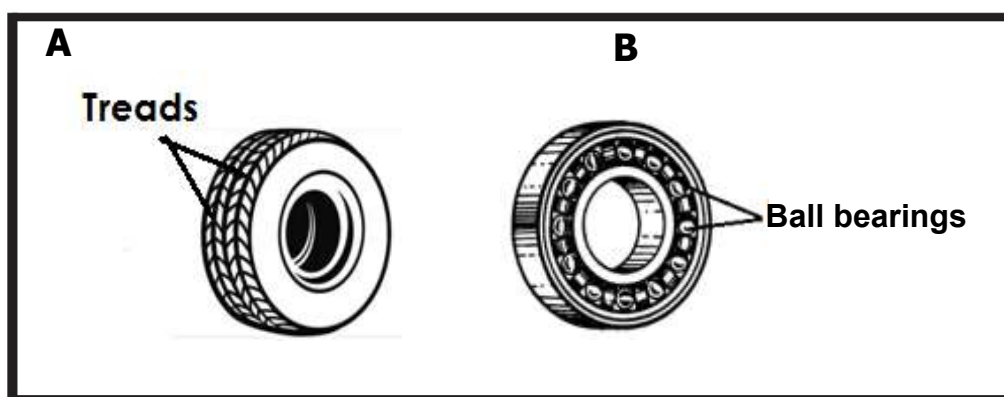
(ii)

(b) Write down **two** diseases that affect the human digestive system.

(i)

(ii)

42. Study the diagram below and use it to answer the questions that follow.



(a) Why are treads put on tyres as shown in the diagram **A** above ?

.....

(b) How does the diagram in **B** help in the control of friction ?

.....

(c) Identify the form of energy produced when friction acts between two surfaces.

.....

(d) State any **one** way of increasing friction.

.....

43.(a) What are bio- luminescent objects ?

.....

.....

(b) Mention any **one** example of living things which produce light at night.

.....

(c) Write down any **one** similarity between light and sound.

.....

(d) State any **one** difference between light and sound energy.

.....

44.(a) Define the term a balanced diet.

.....

.....

(b) State any **two** signs of a child suffering from kwashiorkor.

(i)

(ii)

(c) In which way can kwashiorkor be prevented among children ?

.....

45.(a) What is vegetative propagation?

.....

.....

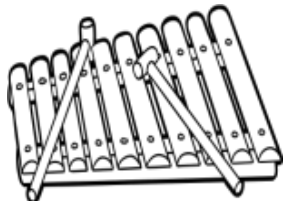
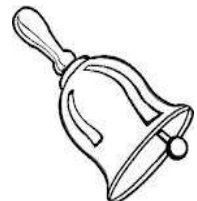
(b) Give any **one** example of planting materials.

-
- (c) How are the following plants propagated ?
- (i) Cassava:
- (ii) Pineapple:

46.(a) Name any **one** product got from poultry.

-
- (b) State any **one** danger of using free range system in rearing poultry.
-
- (c) Mention any **one** example of poultry vice.
-
- (d) In which **one** way can farmers control the poultry vice mentioned in(c) above ?
-

47. Below are the diagrams of musical instrument. Use it to answer the questions that follow.

Instrument X	Instrument Y	Instrument Z
		

- (a) Identify the musical instrument represented by letter **A** above.
-
- (b) Give a reason why sound produced by the drum cannot travel through the vacuum.
-

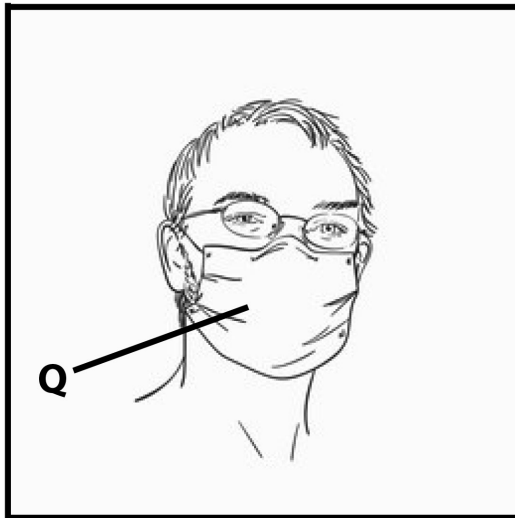
(c) How does the instrument marked with letter **Y** produce sound ?

.....

(d) Under what musical instrument does the drum belong ?

.....

48. Below is a diagram of a person wearing a certain protective equipment. Study carefully and use it to answer the questions that follow.



(a) Identify the item labelled **Q** in the above diagram.

.....

(b) Give **one** reason why people were advised to use the above item during the time of COVID 19?

.....

(c) Which **two** diseases can be prevented through using the above item ?

(i)

(ii)

49.(a) Identify any **one** muscle find in the human arm.

.....

(b) State any **one** reason why we should maintain correct posture.

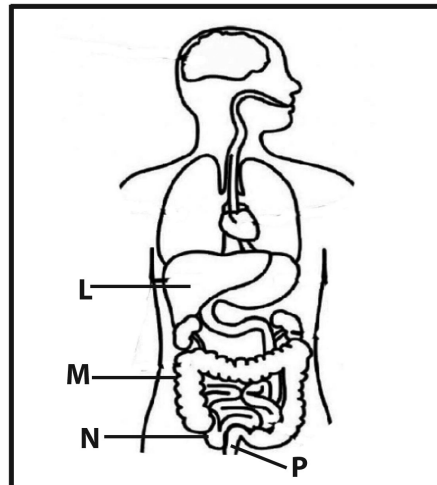
.....

(c) Write down any **two** uses of muscles in the body.

(i)

(ii)

50. Below is a digram showing parts of a digestive system. Study it carefully and use it to answer the questions that follow.



(a) Name the parts labelled:

(i) **L** (ii) **M**

(b) Give the one function of the following parts.

(i) **N**

(ii) **P**

51. (a) Give **one** example of the following types of joints.

(i) Hinge joint:.....

(ii) Ball and socket joint:.....

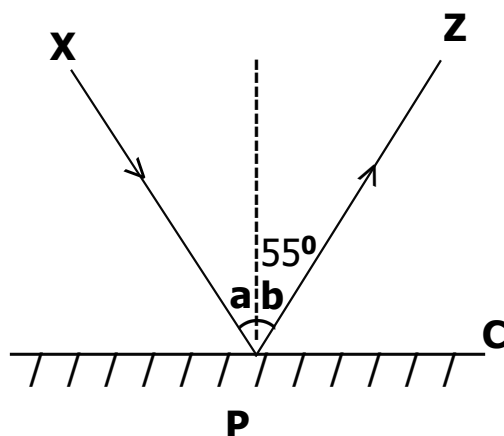
(b) Mention the structure that joins a bone to a bone.

.....

(c) Name the longest and strongest bone in the human body.

.....

52. The diagram below shows a ray of light striking a smooth surface. Study and use it to answer the questions that follow.



- (a) Name any **one** example of a material that can be used at material **C**.

.....

- (b) What is the size of angle **a** ?

- (c) Name the following rays:

(i) **XP**

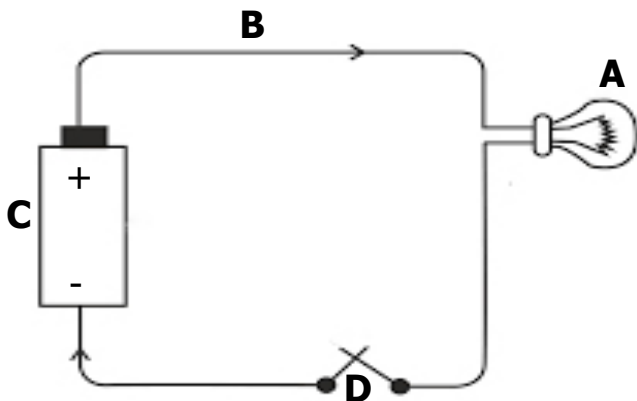
(ii) **PZ**

53. Match the following terms in **A** to their meanings in **B**.

A	B	
(i) Pitch	- Loudness ot softness of sound.	
(ii) Echo	- Number of vibrations produced par second.	
(iii) Frequency	- Reflected sound we hear.	
(iv) Volume	- Highness or lowness of sound.	

- (a) Pitch:
-
- (b) Echo:
-
- (c) Frequency:
-
- (d) Volume:
-

54. Study the diagram of a simple circuit drawn below and then, **answer** the **questions** about it.



- (a) Name the part labeled with letter **A**.
-

(b) State the function of part **D**.

.....

(c) State the form of energy stored in part labeled **C**.

.....

(d) What is the use of part **A** when the circuit is complete.

.....

55.(a) What is smoking ?

.....

.....

(b) Identify the **two** poisonous substances found in tobacco.

(i).....

(ii).....

(c) Give one reason why people smoke.

.....