



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.

.....

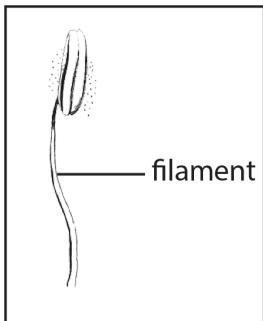
5. Which type of latrine is commonly used in rural areas ?

.....

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 following 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

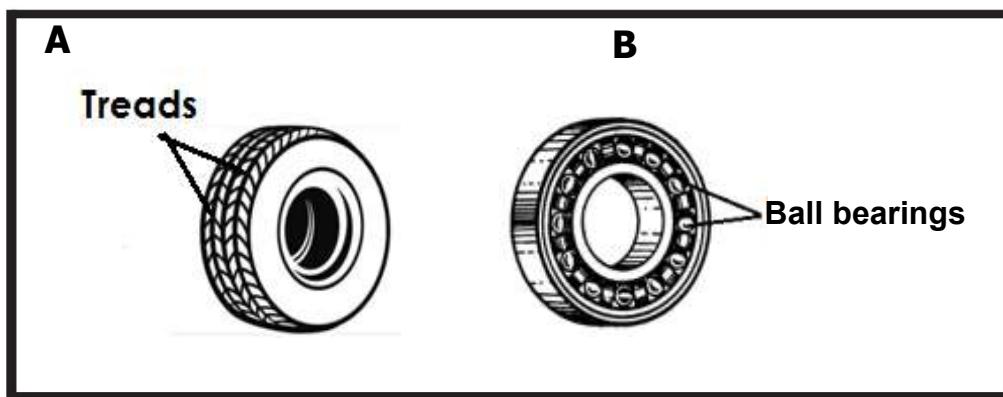
41.(a) Mention **two** disorders of the human digestive system.

- (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.

.....

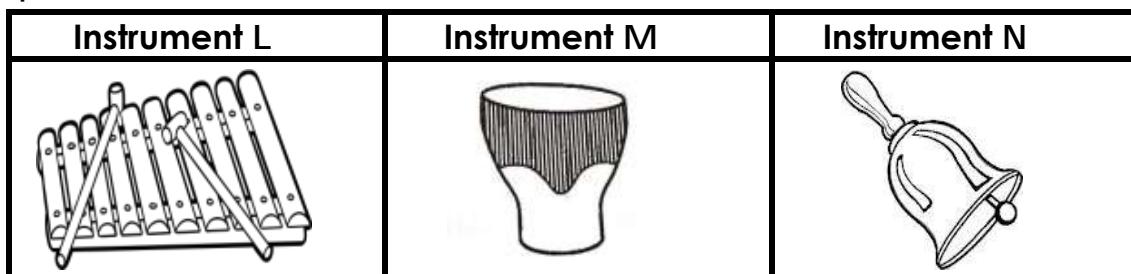
(c) Mention any **one** example of poultry vice.

.....

(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.



(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.

.....

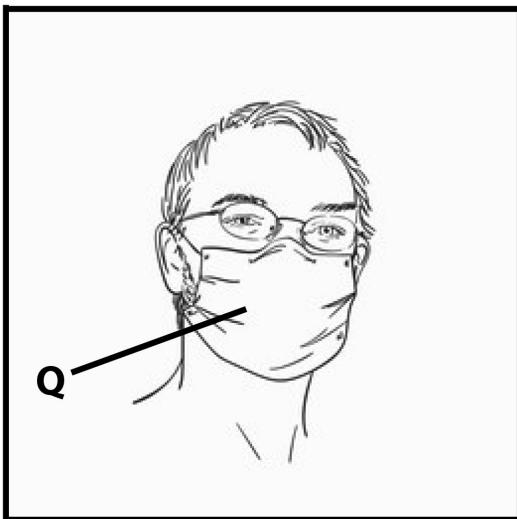
(c) How does the instrument marked with letter **Y** produce sound ?

.....

(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.

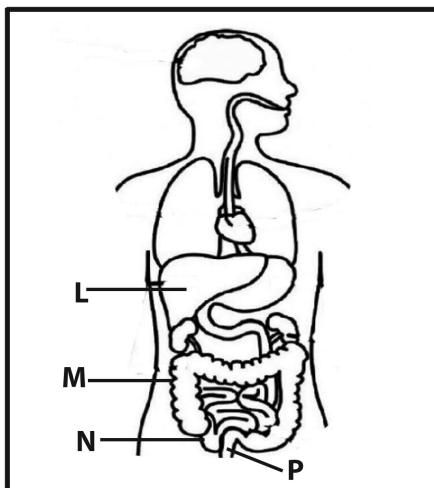
.....

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

(i)

(ii)

50. Below is a diagram 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:.....

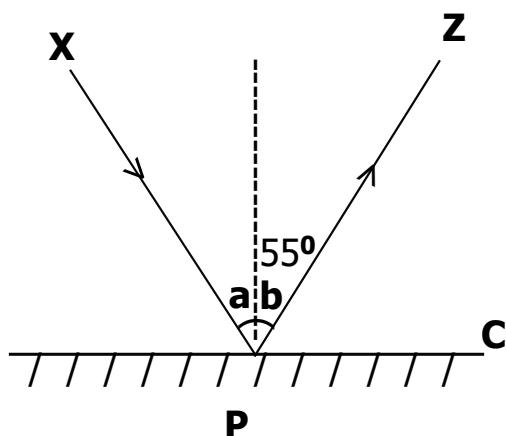
(b) Mention the structure that joins a bone to a bone.

.....

(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

(i) Pitch - Loudness or softness of sound.

(ii) Echo - Number of vibrations produced per second.

(iii) Frequency - Reflected sound we hear.

(iv) Volume - Highness or lowness of sound.

(a) Pitch:

.....

(b) Echo:

.....

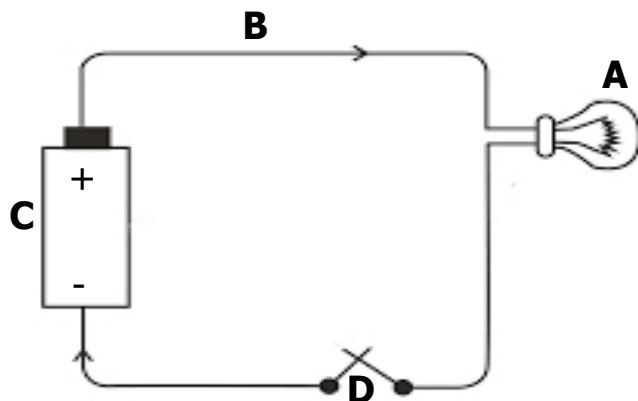
(c) Frequency:

.....

(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.

.....