



# RAPHA EXAMINATIONS BOARD

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## PRIMARY SEVEN EXAMINATIONS 2024 (SET 8) SCIENCE

Time allowed: 2 hours 15 minutes

INDEX  
NO.

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CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: ..... DATE .....

SCHOOL'S EMIS NO: .....

DISTRICT NAME: .....

### READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections **A** and **B**
2. All the working in both sections **A** and **B** should be shown in the spaces provided
3. All working must be done using a blue or black ball point pen or fountain pen.  
Diagrams **MUST** be drawn in pencil
4. Unnecessary changes of work may lead to loss of marks
5. Any handwriting that cannot be easily read may lead to loss of marks
6. Do not fill in anything in area indicated for *examiners use only* and those inside the paper

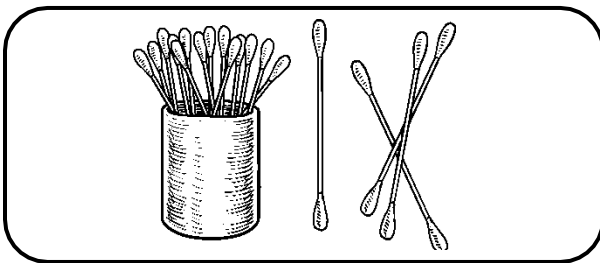
#### For examiner's use only

SECTION	MARKS
SECTION A	
SECTION B	
TOTAL	

**Section A (40 Marks)**

1. Name any **one** equipment used to maintain sanitation at home.  
\_\_\_\_\_
2. Mention any **one** element of weather that helps to preserve farmer's harvested crops.  
\_\_\_\_\_  
\_\_\_\_\_
3. How does the use of **birth control pills** control birth rates in human beings?  
\_\_\_\_\_  
\_\_\_\_\_
4. Why are parents advised to take their children for immunisation?  
\_\_\_\_\_  
\_\_\_\_\_
5. Name any **one** example of flying mammal in our environment.  
\_\_\_\_\_
6. Why is it bad to clear land for farming by bush burning?  
\_\_\_\_\_  
\_\_\_\_\_
7. How are *biological changes* similar to *chemical changes*?  
\_\_\_\_\_  
\_\_\_\_\_

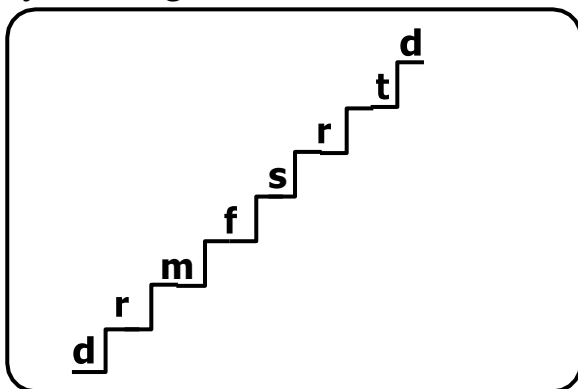
**Study the diagram below and use it to answer questions 8 and 9.**



8. Name the equipment used to keep our body clean shown in above diagram.  
\_\_\_\_\_
9. How does the equipment named in number 8 above keep our body clean?  
\_\_\_\_\_  
\_\_\_\_\_
10. Name any **one** method used to separate a mixture of sand and salt.  
\_\_\_\_\_  
\_\_\_\_\_
11. How can a rabbit farmer prevent spread of diseases in a hutch?  
\_\_\_\_\_

12. In which way do muscles help in movement of body parts?
13. Why is filtered water not recommended for drinking?
14. State any one reason why pregnant women are given T.T vaccine?
15. How are *PIASCY* messages useful to school going children?
16. Name the **vector** that spreads trypanosomiasis in human beings.
17. What is the difference between *breathing* and *respiration*?
18. Why are breast feeding mothers advised to take a lot of drinks?
19. State any one function of blood in the human body.
20. Name any one disease that can spread due to poor sanitation in a home.
21. *A sugarcane stores food in the stem*. Why is it not grouped under stem tubers?

Study the diagram below and use it to answer questions 22 and 23.



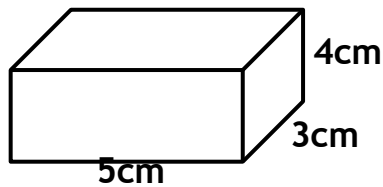
22. Name the method of storing sound shown in the diagram above.
23. How can sound stored using above method be reproduced?
24. State any one activity a family can do to promote PHC.

25. How is sunlight very important to people in prevention of deficiency diseases?

PTO

26. In which way can hard water be made soft?

27. The block below has a mass of 180g. Calculate its density.



28. State any one effect of smoking to a pregnant woman.

29. Why is sugar used when preparing **ORS** locally at home?

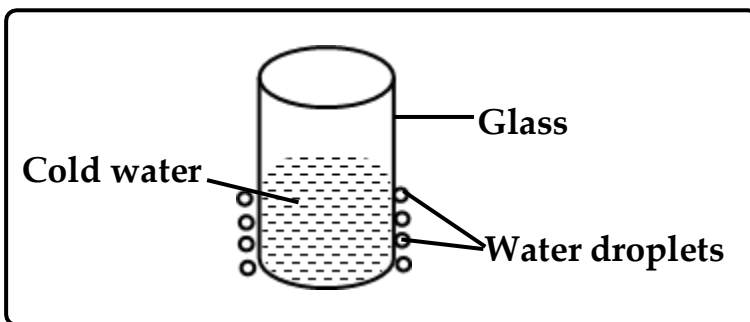
30. State any one secondary sex characteristic that appears on both girls and boys.

31. Name the structure that separates the chest cavity from abdominal cavity.

32. Give any one disorder of the teeth.

33. Name any one animal fibre obtained from goats.

Study the diagram below and answer questions 34 and 35.

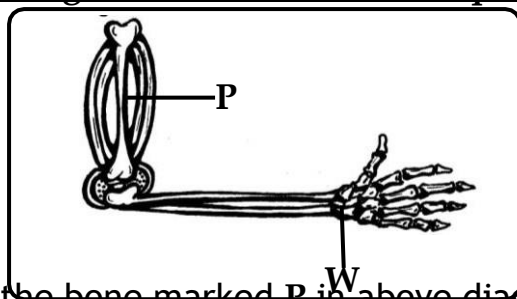


34. Why did the water droplets form outside the glass?

35. Name the physical process that leads to formation of water droplets on the glass.
- 
36. Give any one health life style that can help you fight skin diseases.
- 
37. How does mulching control soil erosion in a garden?
- 
38. What happens to pollen grains as they land on the stigma of a flower?
- 
39. How is a *lion* different from an *antelope* in the way they feed?
- 
40. State any one quality of a good first aider.
- 

**Section B (60 Marks)**

41. ***Amphibians are vertebrates that can live on both land and in water.***  
(a) Name any two examples of amphibians.  
(i) \_\_\_\_\_ (ii) \_\_\_\_\_  
(b) How are amphibians able to live on both land and in water?  
\_\_\_\_\_  
(c) What type of fertilisation do amphibians under go?  
\_\_\_\_\_
42. (a) Name any one structure that is used to store harvested crops in our homes  
\_\_\_\_\_  
(b) State any one reason why farmers store harvested crops.  
\_\_\_\_\_  
(c) Why do farmers sun dry their crops before storing them?  
\_\_\_\_\_  
(d) Name any one method of harvesting crops.  
\_\_\_\_\_
43. **Study the diagram below and answer questions that follow.**



- (a) Name the bone marked P in above diagram.
- 

P.T.O

- (b) What ***type of movable joint*** is found at part marked W?
- 

- (c) Write down any two disorders that affect ***muscular*** and ***skeletal system***.
-

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_

44. (a) ***In one sentence***, give the meaning of the term “**environment**”?

(b) State any **two** ways how people depend on plants in our environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Name any **one** example of a non- living environment.

45. (a) Name the bacteria that is useful to a crop farmer.

(b) How does high temperature affect bacteria in our environment?

(c) State any **two** dangers caused by bacteria in our environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

46. (a) What is the difference between ***dehydration*** and ***rehydration***?

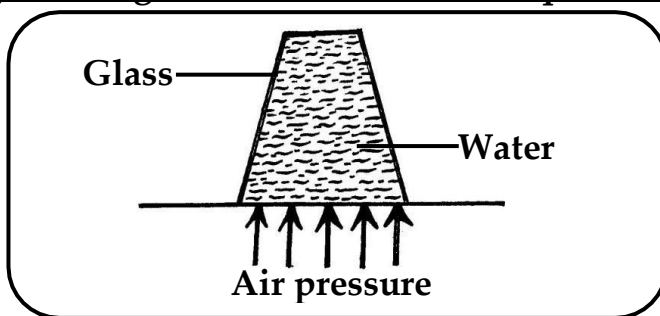
(b) Name any **two** causes of dehydration.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Give any **one** effect of dehydration to human beings.

47. **Study the diagram below and answer questions that follow.**



(a) Name the ***property of air*** shown in above diagram.

(b) State any **two** ways how the above property of air is useful to people in our daily life.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) ***Apart from the one above***, name **one** other property of air.

48. (a) Name the part of the skeleton that protects the lungs.

(b) What happens to the lungs during breathing in?

(c) Write down any two diseases that affect the respiratory system.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

49. (a) Name the part of digestive system where digestion of fats starts from.

(b) How is insulin produced by pancreas useful during digestion of food?

(c) Name any two substances absorbed in the stomach during digestion of food.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

50. (a) Name any one equipment that uses electricity in our homes.

(b) Why do engineers put on gloves when repairing electricity?

(c) State any one way of saving electricity at our homes.

(d) Why do people save electricity in their homes?

51. (a) State any one reason why termites are grouped under insects.

(b) How are termites dangerous to a crop farmer?

(c) Give any two uses of insects to people.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

52. (a) Name any two resources obtained from animals.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_ P T O

(b) How can the resources below be conserved in our environment?

(i) plants \_\_\_\_\_

(ii) minerals \_\_\_\_\_

53. Study the diagram below and answer questions that follow.



(a) Name the accident that requires a victim to be positioned as shown in the diagram above.

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(b) What causes above accident in human beings?

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(c) Why do first aiders position the casualty as shown in above diagram?

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(d) Name any one condition that can lead to above accident.

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54. (a) What do we call the *study of weather conditions in our environment*?

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(b) *Apart from rain formation*, how are clouds useful in our environment?

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(c) Name the instrument used to measure humidity.

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(d) Which type of rainfall is commonly received around waterbodies?

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55. *Most of the diseases that affect the reproductive system are STDS.*

(a) Write *STDS* in full.

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(b) Name any two STDS that affect the reproductive system.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

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(c) Which STD makes a pregnant woman to produce a baby that is blind?