



SURE KEY EXAMINATIONS BOARD
PRIMARY SEVEN PLE PRERPARATION EXAMINATION SET ONE
2022

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Admission No.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Name:

District Name:.....

Read the following instructions carefully:

1. Do not forget to write your **school** or **district name** on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and Section **B** has **15** questions. The paper has **16 printed pages** altogether.
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done n pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
6. 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		

SECTION A: 40 MARKS

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

1. Name the type of chicken purposely kept for egg production.

.....

2. Which vector spreads yellow fever to people?

.....

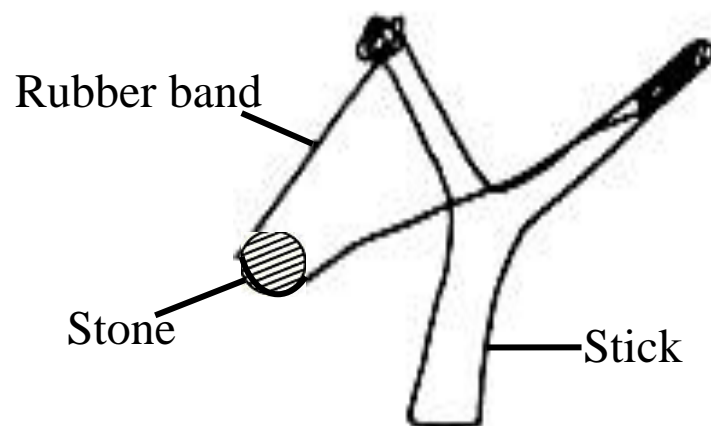
3. State any **one** use of soap in promoting personal hygiene.

.....

4. Give any **one** example of a sea mammal.

.....

The diagram below shows a stone being thrown using a catapult. Use it to answer question **5**.



5. What type of energy is possessed by the rubber band before the stone is released?.

.....

6. Which group of non-flowering plants reproduce by means of seeds?

.....

7. State the type of change that enables Primary Seven pupils to burn rubbish in a rubbish pit.

.....

8. Mention the component of soil that enables plants to carry out photosynthesis.

.....

9. Why is transplanting of seedlings done in the evening?

.....

.....

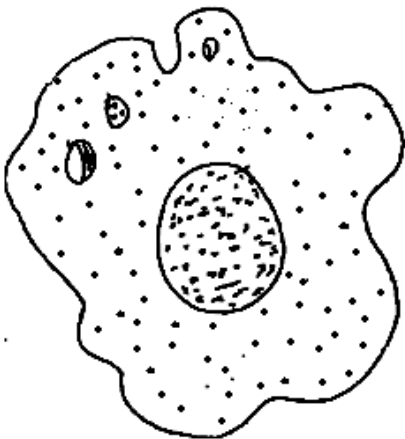
10. How are the ossicles useful during the process of hearing?

.....

.....



The diagram below is a white blood cell. Use it to answer questions **11** and **12**.




11. Use letter **T** to show the nucleus on the diagram above.

12. Give the function of the white blood cells in the body.

.....

13. Write down any **one** activity done to keep food safe for more than one month.

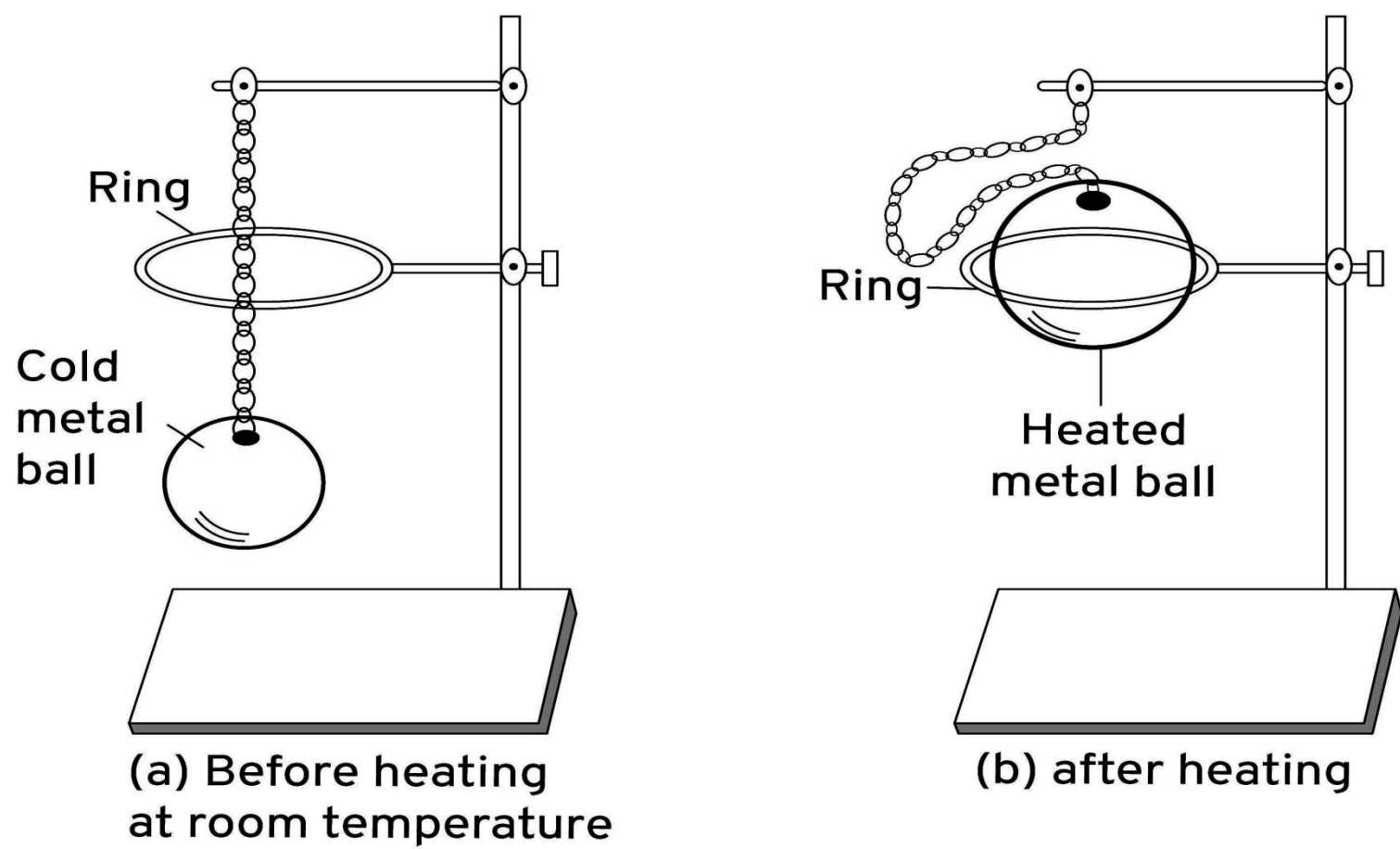
.....

14. State any **one** way of controlling diarrheal diseases in the community.
-
15. In which state of matter is smoke?
-
16. State any **one** primary sex change common in both adolescent boys and girls.
-
17. Give any **one** way in which a shopkeeper uses electricity.
-
18. How does a hyena benefit from following a lion?
-
-
19. State the difference in function between a tendon and a ligament at a joint.
-
-
20. Give any **one** way in which regular medical check-ups are important to the human body.
-
- 
21. How does debeaking help to control egg eating in chicken?
-
22. Apart from pregnant mothers, name **one** other group of people who are given TT vaccine.
-

23. Which cattle disease makes animals to move in circles?
.....

24. State the importance of mucus found on the lining of the alimentary canal during digestion.
.....

The diagrams below show two metallic ball rings. Study them and answer questions **25** and **26**.



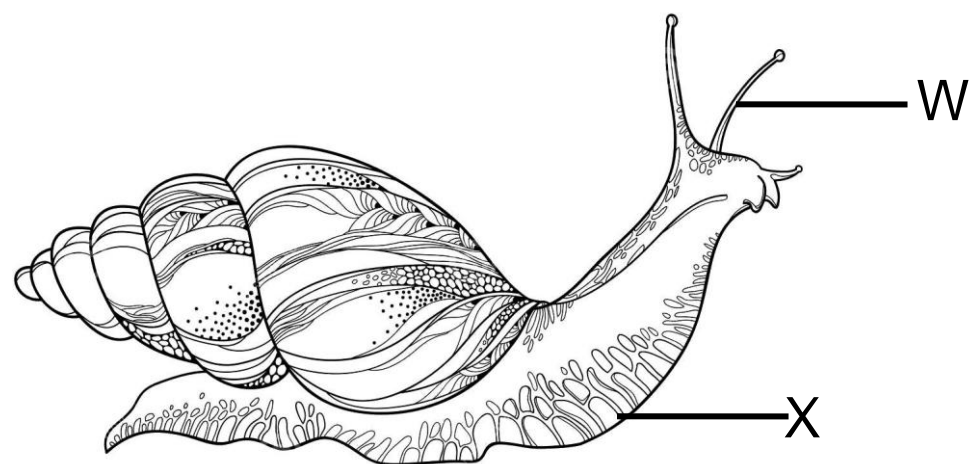
25. What does the above experiment show about metals?
.....

26. Why did the metallic ball in diagram **B** fail to pass through the ring?
.....
.....

27. Why should parents stop children from eating a lot of sweets?
.....

28. How does a skunk protect itself against enemies?
.....
29. State any **one** way of preventing burns and scalds at home.
.....
30. How do energy saving stoves help to conserve wood fuel?
.....
.....
31. State any **one** condition favourable for soil to support good plant growth.
.....
32. How does decision making help school children to safeguard themselves against alcoholism?
.....
.....
33. Which instrument is used to measure atmospheric pressure?
.....
34. Give any **one** reason why animals move from one place to another.
.....
35. Which group of people are easily harmed due to poor feeding?
.....

The diagram below is of an invertebrate in the mollusc group. Study it and use it to answer questions **36** and **37**.



36. Name the part marked **W**.

.....

37. State the function of substance marked **X** to the above mollusc during movement.

.....

38. Apart from the skin, give **one** other body organ that makes use of light energy.

.....

39. State any **one** characteristic that enables termites to build an anthill within a short period of time.

.....

40. State any **one** principle of Primary Health Care P.H.C).

.....



SECTION B: 60 MARKS

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

41. (a) Why is rusting called a chemical change?

.....

(b) State **two** conditions necessary for rusting to take place.

(i)

(ii)

(c) Give any **one** way in which rusting is important in the environment.

.....

42. The illustration below shows a method of storing music. Use it to answer the questions that follow.

m:d:s		m:d:s		m:-:-		d:-:-d	
-------	--	-------	--	-------	--	--------	--

(a) Identify the method of storing music shown above

.....

(b) Give any **one** way in which music stored using the above method can be reproduced.

.....

(c) Apart from the above method, mention any **one** other method of storing music.

.....

(d) State the difference between pitch and volume of sound.

.....

.....

43. (a) Give the importance of carrying out each of the following practices in sheep keeping.

(i) hoof trimming.

.....

(ii) docking.

.....

(b) State any **two** ways of controlling tick borne diseases in sheep.

(i)

(ii)



44. (a) Write down any **two** causes of soil exhaustion.

(i)

(ii)

(b) Give any **one** characteristic that makes clays soil suitable for making ceramics.

.....

(c) Apart from making ceramics, state any **one** other way in which clay soil is useful to people.

.....

45. The table below shows parts of a flower and their functions but in wrong order.

Part of a flower	Function of the part
(i) Sepal	receives pollen grains during pollination.
(ii) Anther	attracts insects for pollination
(iii) Stigma	protects the flower during bud stage
(iv) Petal	produces pollen grains.

Match the parts of a flower in the table above with their functions correctly.

- (i) Sepal

.....

.....
- (ii) Anther

.....

.....
- (iii) Stigma

.....

.....
- (iv) Petal

.....

.....

46. (a) In which way does severe diarrhea lead to dehydration?

.....
- (b) State the importance of sugar when preparing Oral Rehydration Solution (ORS).

.....
- (c) Apart from giving Oral Rehydration Solution, state any **two** other ways of rehydrating a patient with severe diarrhea.

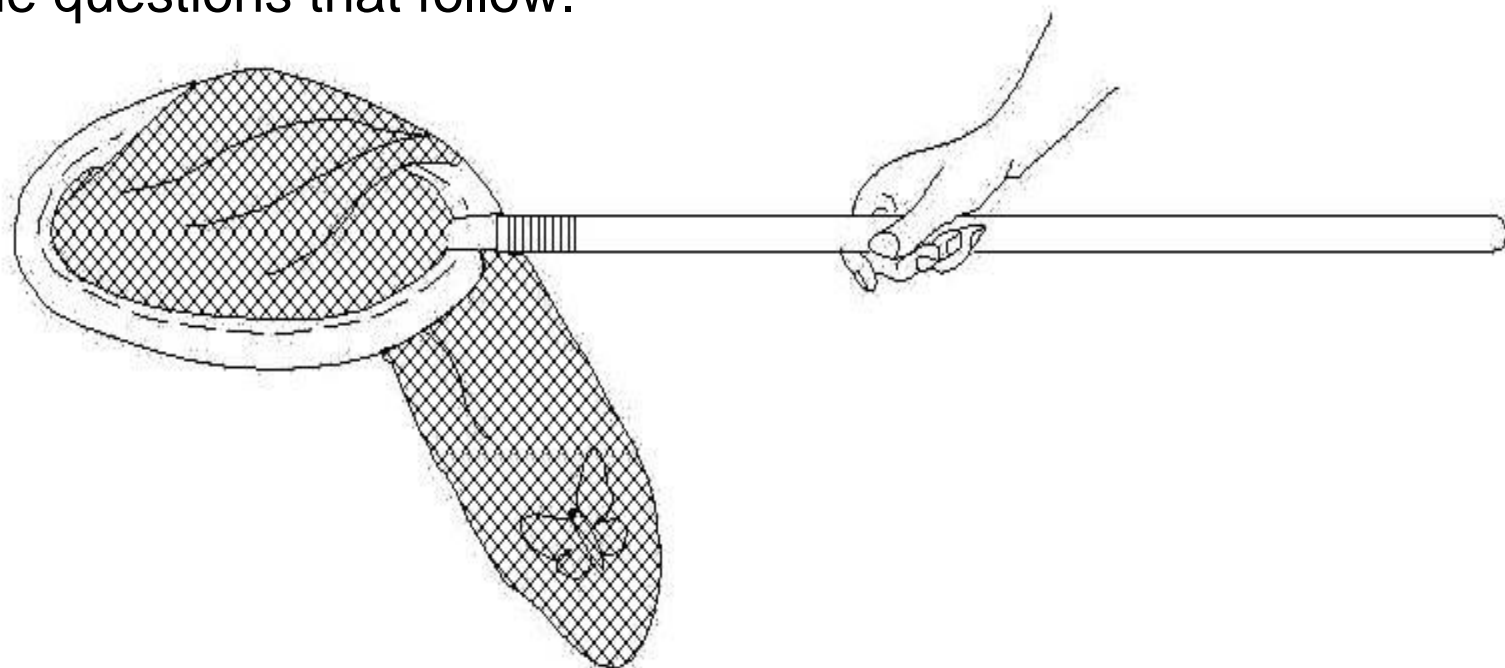
(i)

(ii)



47. (a) Name the group of crops to which each of the following crops belongs.
- (i) bean crops
- (ii) rice crops
- (b) Give any **two** ways in which weeding is done in the garden.
- (i)
- (ii)

48. The diagram below is of an equipment used in bee keeping. Use it to answer the questions that follow.

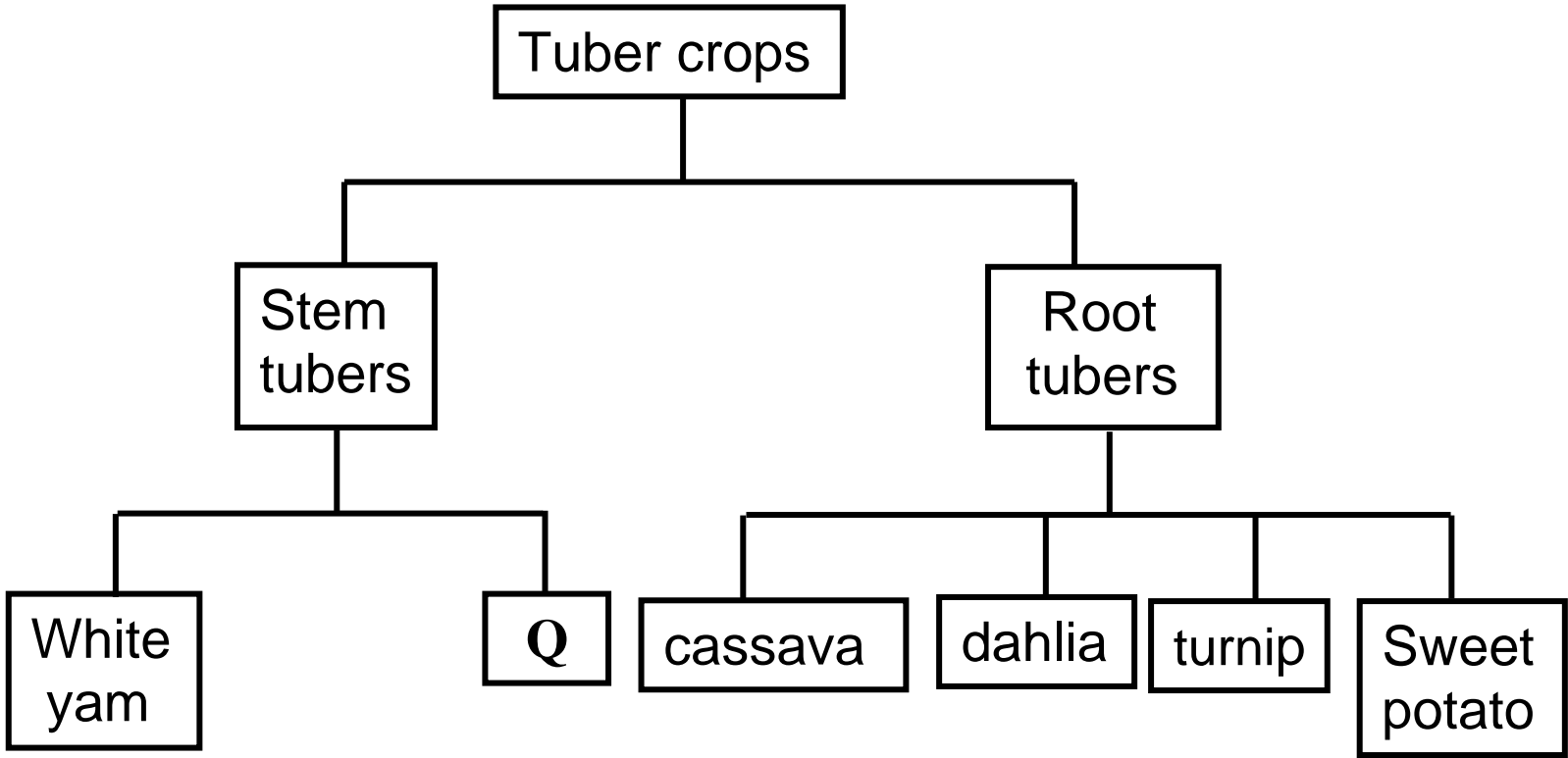


- (a) Name the equipment in the diagram above.
-
- (b) How is the above equipment useful to a bee keeper?
-
- (c) What activity in bee keeping involves the use of the above equipment?
-
- (d) Give any **one** reason why honey does not go bad yet it is food.
-



49. (a) State the role of yeast during fermentation of alcohol.
-
- (b) Apart from fermentation of alcohol, give any **two** other way in which yeast is useful to people.
- (i)
- (ii)
- (c) Which fungus is used to make antibiotic drugs?
-
50. (a) Give the importance of each of the following in a home,
- (i) a rubbish pit
-
- (ii) a rack
-
- (b) Mention any **two** other sanitary items that a home should have.
- (i)
- (ii)

51. The flow chart below shows groups of tuber crops. Study and use it to answer the questions that follow.



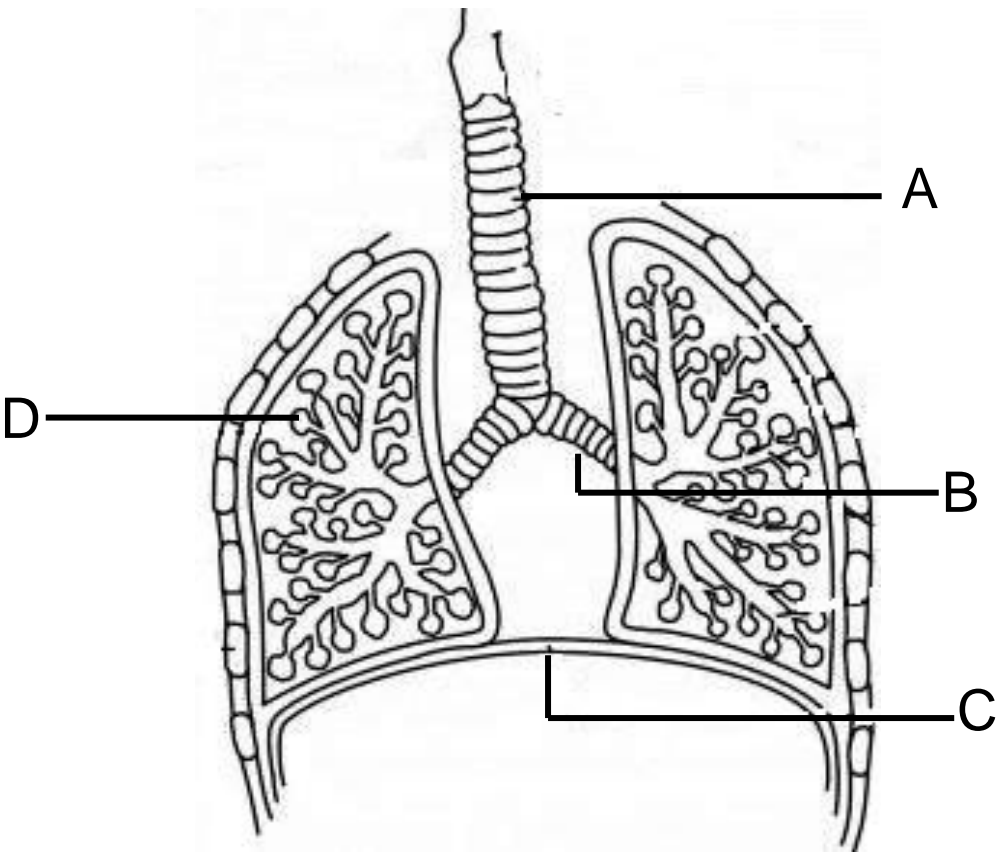
- (a) Name the example of stem tuber marked **Q**.
-
- (b) State any **one** characteristic common to all root tubers.
-
- (c) In which way is the propagation of cassava different from that of a white yam?
-
-
- (d) Why is a sugarcane plant not grouped under stem tubers yet it stores its food in the stem?
-
-

52. (a) In which way is the function of a fuse different from that of a switch in an electric circuit?
-
-
- (b) Apart from a fuse and a switch, write down any **two** other components of an electric circuit.
- (i)
- (ii)
- (c) State the main reason why the **tungsten** filament of an electric bulb is coiled.
-
-



53. (a) State any **one** way in which rocks contribute to the development of an area.
-
- (b) Apart from rocks, name any **one** other example of a non-renewable resource in the environment.
-
- (c) State any **two** ways of conserving non-renewable resources in the environment.
- (i)
- (ii)

54. The diagram below shows a human respiratory system. Study it carefully and use it to answer the questions that follow.



- (a) Name the parts marked **B** and **C**.
- (i) **B**
- (ii) **C**
- (b) What process takes place in part marked **D**?
-
- (c) State any **one** way in which part marked **A** is adapted to its function.
-
-

55. (a) State any **one** cause of rickets in children.

.....

(c) Write down any **two** signs of rickets in a child.

(i)

(ii)

(b) Give any **one** example of food you would give to a child to protect him/her against rickets.

.....

