

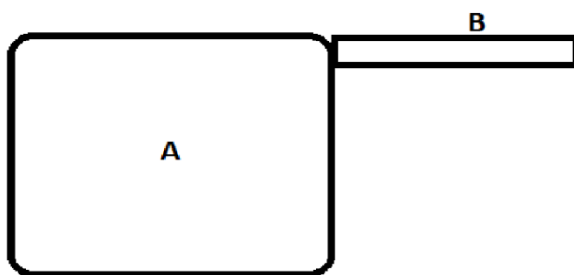
**SBOA SCHOOL AND JUNIOR COLLEGE CHENNAI - 101**

**CLASS VII –SCIENCE**

**HIGHER ORDER THINKING QUESTIONS**

1. Suba visited her grand mother's farms and fields in her village. People from agricultural department advised her grandpa to grow leguminous plant to enrich the soil. Do you know why they have suggested?
2. Keep a plant in the open with Vaseline applied on its leaves, will it absorb water from its roots?
3. Anu visited "Manali" during her summer vacation. She was thrilled to see that shearing was done on a large scale in the valley. Explain why they chose the month of May for shearing.
4. Priya visited IBACO ice cream parlour and ordered for Italian delight. The Vendor served two scoops of Ice-Cream in a bowl. He dipped the scoop in water before taking new flavor. Explain why?
5. You are living in a hot climate, you wish to paint your house. You can select a light colour or a dark colour. Which colour will you select and Why?
6. Lichens plant helps scientist in assessing the effects of air pollution How?
7. Mud houses with thatched roofs keep cool in summer and warm in winter. Why?
8. Draw a Flow chart for the process of wool making.
9. On a windy day, the rickshaw puller has to apply more force to pull the rickshaw. Why?
10. Milk vans carrying milk from the factory to the depots are painted silver or white colour. Why?

11.

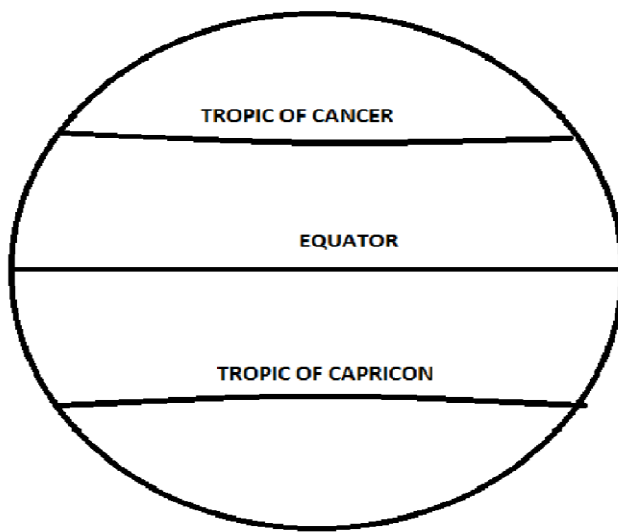


Two materials are needed for making sauce pan. Find out the materials used and the reason for selecting it.

12. Solar cookers are painted black from inside why?
13. Pure nylon and polyester are not worn in most parts of India. Why?
14. Why does jute grow so well in Sunderbans area?
15. Name one fibre which is
  - a) Smooth (b) Shiny (c) Fluffy (d) wrinkle free
16. If hot air rises up , why is it cold in mountains?
17. When two substances **X** and **Y** are mixed in water, the Water turns into red in colour , If **X** is base. What is **Y** ? Give reason.
18. A white shirt has a yellow stain of curry when soap is rubbed on this shirt during washing, the yellow stain turns red. On rinsing the shirt with plenty of water, the red stain turns yellow again. Why?
19. If we pass through a farm land during a hot summer day, the air above the land appears to be shimmering. Why?
20. Why does pitcher plant eat insects when it is capable of carrying out photosynthesis?

21. Ventilators are situated close to the ceilings and not near the floor. Explain why?
22. If you dip an iron nail into a copper sulphate solution, it comes out copper plated. But if you dip a copper nail in iron sulphate will it be iron plated? Explain.
23. Preethi fixed charts with board pins in the bulletin board. After two months she noticed that the charts are torn and the board pins also changed its colour. Explain.
24. Why is it necessary to boil or bake the cocoons of silk moth?
25. The following are the good food eating habits . Give reason.
  - Brush your teeth after meals.
  - Chew your food.
  - Avoid fried food.
  - Do not talk while eating.
  - Drink warm water.
26. Throughout Earth's history , it has warmed and cooled time and again. But in the past century human activities have influenced earth's climate and caused global warming. Discuss.
27. If you drop sodium hydroxide flakes on the cloth, will it burn? Justify.
28. Though acids and water contain hydrogen in it , yet water does not show the property of acid .Explain.
29. Why does the exposed surface of a cut brinjal become black?

30.



How does uneven heating of earth occur? Why architects prefer north - south direction?