

CBSE TEST PAPER-01

SCIENCE & TECHNOLOGY (Class-10)

Chapter 2. Acids, Base and Salts

1. Name two organic acids. (1 mark)
2. How does baking powder differ from baking soda? (1 mark)
3. What will happen if heating is not controlled while preparing plaster of Paris. (1 mark)
4. A housewife found that the cake prepared by her is hard and small in size. Which ingredient has she forgotten to add that would have made the cake fluffy. Give reason. (2 marks)
5. What is water of crystallization? Name two hydrated salts. (2 marks)
6. What happens when an acid reacts with a base? Give equation of the reaction of the reaction involved. What is the special name of this reaction? (2 marks)
7. Explain how pH change in the river water can endanger the lives of aquatic animals. (2 marks)
8. A baker found that the cake prepared by him is hard and small in size. Which ingredients has he forgotten to add that would have caused the cake to rise and become light? (2 marks)
9. What are the two main ways in which common salt (sodium chloride) occurs in nature? How is common salt obtained from sea water? Explain. (3 marks)
10. What happens when (3 marks)
 - (a) Solid sodium hydrogen carbonate is heated,
 - (b) Chlorine gas is passed through dry slaked lime,
 - (c) Gypsum is heated to a temperature of 373 K?
11. (i) What is a salt? (5 marks)
 - (ii) Why aqueous solution of sodium carbonate is basic in nature?
 - (iii) Why is an aqueous solution of ammonium chloride acidic in nature?