

Chapter: 7

Q.1 A) Choose the correct alternative and rewrite the sentence (2)

- 1) is sonorous in nature.
a. Sulphur b. Copper c. Fluorine d. Phosphorus
- 2) is a good conductor of electricity.
a. Carbon b. Sulphur c. Graphite d. Iodine

Q.2 B) Solve the following questions. (3)

1) State True or False (1)

- 1) A greenish color deposit is formed on silver by its reaction with hydrogen sulphide gas.

2) Find the odd one out (1)

- 1) Silicon, Germanium, Arsenic, Sulphur

3) Name the following (1)

Metal oxide + Acid → +

Q.2 Solve the following questions. (Any two) (4)

1) Write Short Notes

Corrosion

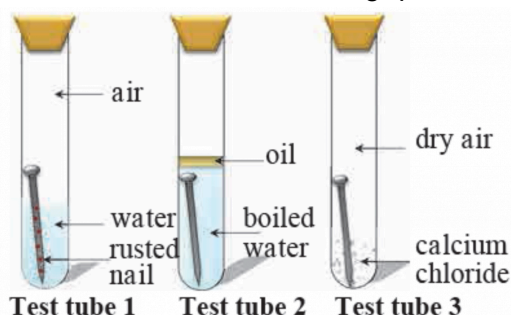
2) What are the metals that make the alloys brass and bronze?

3) Give scientific reasons

Explain why vertical cracks appear on stainless steel vessels.

Q.3 Answer the following in detail (Any TWO) (6)

- 1) Explain anions with help of an example.
- 2) What are the adverse effects of corrosion?
- 3) Three experiments to study the process of rusting are given below. Observe the three test tubes and answer the following questions.



- i. Why the nail in the test tubes 2 is not rusted?
- ii. Why is the nail in the test tube 1 rusted?
- iii. Would the nail in the test tube 3 get rusted?

Q.4 Solve the following questions. (Any one)

(5)

- 1) State the physical properties of Non-Metals with examples?
- 2) Given below are the names of few metals, answer the following based on it.
(Calcium, Sodium, Silver, Hydrogen, Copper, Chlorine, Magnesium, Iron)
 - i. Name the metal that is stored under kerosene.
 - ii. Name the metal that reacts with steam.
 - iii. Name the gas that will be liberated when metal reacts with dilute acid.
 - iv. Name the metal that turns black in the presence of hydrogen sulphide.
 - v. Name the metal that turns green in the presence of moist CO_2 .

