

## Std. 8 General Science

Marks : 25

Ch.13 Metals and non- metals

Duration : 45 min.

### Q1 Fill in the blanks [3 M ]

- metal is in liquid state.  
a. Mercury    b. Silver    c. Sodium
- The alloy steel is made from -----.  
a. Copper and carbon    b.iron and carbon    c. iron and tin
- Silver gets corroded due to -----gas.  
a. Carbon dioxide    b. hydrogen sulphide    c. sulphur dioxide

### Q2 State whether True or False [2 M ]

- The oxides of metals are acidic in nature.
- Platinum is used in some medical instrument .

### Q3 Match the following [2M]

A	B
1) Mercury	a. Alloy of iron, nickel , chromium
2) Graphite	b. Alloy of iron and carbon
3) Sulphur	c. The 'lead' in a pencil
4) Stainless Steel	d. Medicines e. Thermometer.

### Q4 Answer in one sentence [2M]

- Give the classification of elements.
- Name the term used to express the purity of gold.

### Q5 Explain what happens in the following cases and give the corresponding equation. Any TWO [4 M ]

- Dil.HCL is added to a test –tube containing aluminium foil and burning matchstick is taken near the mouth of the test-tube.

2. Hot concentrated sulphuric acid is added to a test-tube containing copper wire.
3. Sodium hydroxide is added to a test tube containing thin piece of aluminium and burning matchstick is taken near the mouth of the test tube.

**Q6 Give scientific reasons . (Any TWO) [4 M ]**

1. Gold and silver are used in coins.
2. Ships are painted at frequent intervals.
3. Stainless steel has more luster than iron.

**Q 7 Write short note on any ONE of the following [2M]**

1. The purity of gold
2. Corrosion
3. Alloys

**Q8 Answer any THREE of the following. [6 M ]**

1. How will you show that metal oxides are alkaline.
2. What is meant by noble metals ? Give two examples.
3. Why does a copper vessel shine again after scrubbing?
4. Distinguish between metals and non-metals.

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