

### Ex - III

- (1) (a) Three different form of Carbon are <sup>Coal</sup> Carbon dioxide, Graphite, Diamond
- (b) The form of Carbon used as gem is diamond.
- (c) Copper Two substances used to make electric wires are - copper and aluminium
- (d) Two substances used to make jewelbery are - gold and silver.
- (e) A substance used as a insulater is plastic.
- (2) (a) ~~Iron~~ ~~tools~~ Iron is used to make heavy tools and machines

- (b) Brass is used to make statues and utensils.
- (c) Coal is used as fuel.
- (3a) A frying pan is made up of ~~still~~ steel steel but its handle is made up of wood.

Reason - This is because steel is a good conductor of heat and it allows heat to pass to the food kept in the pan for cooking while wood ~~being~~ being bad conductor or insulator don't get too heat to burn our hand.

(b) Graphite is used to make ~~lead~~ of the pencils.

Reason - This is because ~~the~~ graphite ~~is~~ can mark the ~~pep~~ paper black.

(c) Argon is filled in electric bulbs.

Reason - This is due to <sup>its</sup> inert nature.

It doesnot react with the ~~long~~ tungsten filament of the bulb and prevent it from destruction.

(4) (a) Why are copper and aluminium used to make ~~the~~ electric wires?

Ans - Copper and aluminium are good conductors of heat and electricity. Therefore

they are used used to make electric wires.

(b) What do you understand by the statement 'metals are ductile and malleable'?

Ans: Metals are ductile and malleable means that they can be drawn ~~out~~ or bitten into thin wires ~~or~~ thin sheets.

### Objective Type Answer

- |      |           |     |         |
|------|-----------|-----|---------|
| (1a) | Atomicity | (f) | Oxygen  |
| (b)  | Oxygen    | (g) | Bromine |
| (c)  | Mercury   |     |         |
| (d)  | Nitrogen  |     |         |
| (e)  | Tungsten  |     |         |

(ii) Metal  $\longrightarrow$  (iii) Lustrous

(i) Molecule  $\longrightarrow$  (ii) Smallest unit of compound

(c) Non-metal  $\longrightarrow$  (ii) Brittle

(d) Noble gases  $\longrightarrow$  (i) Non-reactive

(e) ~~False~~ False (i) True

(f) True

(g) True

(h) False

(i) False

(j) True

(k) False

(l) False

Ex-II

⑦ Molecular Formulae of compound

Calcium Oxide  $\rightarrow$  CaO

Hydrogen sulphide  $\rightarrow$  H<sub>2</sub>S

Carbon Monoxide  $\rightarrow$  CO

Lead Sulphide  $\rightarrow$  PbS

⑧ (a) solid - Sand, Marble

(b) Liquid - Water, Alcohol

(c) Gaseous - Carbon dioxide, Nitrogen dioxide

Q- Write Formulae for <sup>the</sup> following

Ans- (a) Iron Oxide  $\rightarrow$  FeO

(b) Calcium Oxide - CaO

c) Sodium Oxide = ~~NaO~~ ~~Na~~ · Na<sub>2</sub>O

d) Zinc Chloride - ZnCl<sub>2</sub>