



FUSCO'S SCHOOL (ICSE)

Indiranagar, Bangalore

Half Yearly Examination 2016-17

Subject :Chemistry

Class: VI

Marks:80

SECTION -I [40 MARKS]

- I. Define the following changes. [8]**
- Natural change.
 - Non- periodic change.
 - Irreversible change.
 - Fast change.
- II. Differentiate the following. [12]**
- Physical and chemical changes.
 - Photosynthesis and respiration.
 - Respiration and combustion.
 - Desirable changes and undesirable changes.
- III. Complete the analogy. [6]**
- Rusting : chemical change :: boiling : _____ .
 - ripening : natural change :: burning of fuel : _____ .
 - spoilage of food : _____ :: burning of L.P.G : _____ .
 - Magnetisation : _____ :: melting of an ice : _____ .
- IV. Match the following. [6]**
- | | |
|------------------|----------------------------|
| a. Painting | packaging industry |
| b. Liquid oxygen | exchange of gases |
| c. Nitrogen | protects from harmful rays |
| d. Ozone | rocket fuel |
| e. Alveoli | sublimation |
| f. Solid to gas | prevents from rust |
- V. Name the following. [8]**
- Any material that produces heat on burning.
 - This gas forms toxic compound with R.B.C.
 - These gases react with moisture forms acid rain.
 - The undesirable substances that pollute air.
 - These fuels are safer.
 - Solid form of carbon-di -oxide.
 - The gas that turns lime water milky.
 - The changes during which heat energy is absorbed.

SECTION -II [40 MARKS]

- I. Fill in the blanks.** [6]
- Tearing of a paper is a _____ change.
 - The temperature at which a liquid starts boiling is called _____.
 - _____ gas is released during fermentation process.
 - Changes which can be reversed to get original substance _____.
 - The most abundant gas in the atmosphere _____.
 - _____ Substances speeds up the reaction.
- II. Answer the following questions.**
- Write the conditions necessary for a chemical change. [3]
 - Why is melting of wax comes under both physical and chemical change? [2]
 - How is boiling differs from evaporation? [2]
 - Write about the composition air. [3]
 - Why do mountaineers and sea divers carry oxygen cylinders? [2]
 - Why is germination of a seed an example of chemical change? [2]
 - Define slow change, and give any three examples. [2]
 - Write few consequences of air pollution. [3]
- III. Correct the following statements.** [6]
- The process in which a gas turns into a liquid on cooling is called freezing.
 - The process in which conversion of carbohydrate in to alcohol in the absence of oxygen is called digestion.
 - Ice cubes are having more density than water.
 - Roasting of papad comes under desirable change.
 - The process in which a liquid turns in to its gaseous state on heating is called boiling.
 - In exothermic changes heat in neither absorbed nor released.
- IV. Answer these in one sentence.** [6]
- Write the word equation for photosynthesis.
 - How oxygen and carbon dioxide is are maintained in the nature?
 - Which pollutant causes brain damage?
 - Why is air considered as a matter?
 - Expand C.N.G and L.P.G .
 - Which gas will be released when baking soda and lemon juice reacts each other?
- V. How can you prevent air pollution? Suggest few preventive measures.** [3]