

## Std. 8. General Science

Marks : 25

Ch.15 Air

Duration : 45 min.

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

1. In the preparation of oxygen , the mixture of potassium chlorate and manganese dioxide is used in the proportion -----by weight .  
a) 5:1    b) 4:1    c) 1:5
2. -----is used in electric bulb .  
a) Crypton    b) Neon    c) Argon
3. Solid carbon dioxide is also called -----  
a) Dry carbon dioxide    b) dry ice    c) magic ice

### Q2 State whether True or False [3M]

1. Oxygen is used for producing fertilizers .
2. Acid rain causes trees to die and fall.
3. Nitrogen and oxygen from air combine to form nitrogen dioxide .

### Q3 Answer in one sentence [4M ]

1. How is oxygen collected?
2. State the use of dry ice.
3. Which diseases are caused by air pollution?
4. Give the physical properties of oxygen.

### Q4 Give scientific reasons. (Any Two) [4 M ]

1. Common salt becomes wet in rainy season.
2. The proportion of nitrogen in air remains constant.
3. When a bottle of an aerated drink is opened , the drink inside gushes out in a stream of bubbles.

### Q5 Write short note on any ONE of the following. [3M]

1. Nitrogen Fixation
2. Air pollution

### Q6 Answer any TWO of the following. [4 M ]

1. Give the important uses of nitrogen.
2. How does carbon dioxide cause global warming.
3. What function does an observatory perform?

**Q7 Describe with labeled diagram, the preparation of oxygen in the laboratory. [4 M ]**

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