



# FUSCO'S SCHOOL (ICSE)

Indiranagar , Bangalore

**ANNUAL EXAMINATION 2016-2017**

Subject: CHEMISTRY

Class: VI

Mark: 80

## SECTION –I [40 MARKS]

### I. Name the following. [10]

- i. The gases that do not take part in chemical reactions.
- ii. A pure substance that cannot be broken down into two or more simpler substances.
- iii. This process is a combination of evaporation and distillation.
- iv. Scientists who study about rocks and their behaviour.
- v. Father of green revolution.
- vi. Soil that is rich in minerals and is best for farming.
- vii. Liquid metals.
- viii. A mixture in which the components cannot be seen separately.
- ix. The process in which a solid directly changes to vapour on heating.
- x. The process of carrying away of top layer soil by natural forces.

### II. Copy the table and suggest the method for separating the components of the following mixtures. [10]

	Name of the mixture	Separation method.
i.	Cream and milk	
ii.	Sand and iron.	
iii.	Sugar from sugar solution.	
iv.	Alcohol and water	
v.	Camphor and sand	
vi.	Tea leaves from tea	
vii.	Light solids from heavy solids.	
viii.	Kerosene and diesel	
ix.	Husk from grains	
x.	Sea shells from sand	

**III. Distinguish between:** [10]

- i. Igneous rocks and sedimentary rocks.
- ii. Sandy soil and clayey soil.
- iii. Pure substances and mixtures.
- iv. Solids, liquids, and gaseous states of matter.
- v. Metals and non-metals.

**IV. Copy and complete the table.** [10]

Name of the compound	Chemical formulae	Number of atoms
i. Water		
ii.	SO <sub>2</sub>	
iii. Zinc oxide		1 zinc atom ,1 oxygen atom.
iv. Phosphorus.		
v.	NaOH	
vi. Ozone		
vii. Sodium sulphide.		
viii.	S <sub>8</sub>	
ix. Ammonia		
x.	CO <sub>2</sub>	

**SECTION –II [40 MARKS]**

**I. Match the following.** [5]

- |              |                    |
|--------------|--------------------|
| a. Quartzite | Red                |
| b. Shale     | Metamorphic rock   |
| c. Pumice    | Igneous rocks      |
| d. Ruby      | Aluminium          |
| e. Bauxite   | Sedimentary rocks. |

**II. Correct the following statements.** [5]

- i. Handpicking is an example of separating solids from solids.
- ii. Sapphire is green colour gem
- iii. Crust is the inner layer of earth.
- iv. Germanium is a metal.
- v. Argon is a diatomic gas.

**III. Give reasons for the following.** [10]

- i. Alternative sources of energy should be explored.
- ii. When a substance A is heated, it produces two substances. Is A is element or a compound?
- iii. Why are gases compressed more easily than solids and liquids?

- iv. Why is rotation of crops practised by farmers?
- v. Why are objects seen more clearly after rains?

**IV. Define the following [10]**

- i. Fossil fuels.
- ii. Atomicity
- iii. Soil erosion.
- iv. Carbonisation.
- v. Centrifugation.

**V. Answer the following questions. [10]**

- i. How is distillation is different from evaporation.
- ii. Define soil conservation and write few methods of it.
- iii. Explain about the factors responsible for weathering of rocks.
- iv. Explain the arrangement of molecules in the three states of matter. Draw the diagrams to support your answer.
- v. What is air pollution ?how will you control the air pollution?

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