


**CHAPTER-1****INTRODUCTION TO CHEMISTRY****LEVEL-1****SUB-TOPIC-Chemistry- A branch of Science****VSQ (1 Mark)**

- 1- Define science
- 2- What are the three main branches of science?
- 3- What is matter made up of?
- 4- Define Chemistry.
- 5- What is Alchemy?
- 6- Who are Alchemists?
- 7- What is the goal of Alchemist?
- 8- Name the Greek word from which the word Alchemy derived from.
- 9- Mention the name of some substances made by the Alchemists.
- 10-What do you mean by "philosopher's stone"
- 11-Where Alchemy developed for the first time?
- 12-How Alchemy is used in India?

**MCQ (1 Mark)**

- 1- Mortar is used as a
  - a) Plastic material
  - b) A building material
  - c) An isecticides
  - d) As medicine
- 2- Urea is an important
  - a) Fuel



- b) Preservative  
c) Fertiliser  
d) Food items
- 3- The chemicals prescribed by a doctor in the treatment of infectious diseases are called
- a) Antigens  
b) Lotions  
c) Antibiotics  
d) Creams
- 4- Which of the following is a pesticide?
- a) Benzoic acid  
b) Aldrin  
c) Sugar  
d) Gun Powder
- 5- Trinitro-toluene is used as
- a) A preservative  
b) A fertilizer  
c) A fuel  
d) An explosive
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**LEVEL-2****SQ (2 Marks)**

- 1- What is special about the Iron pillar near "Qutab Minar"?
- 2- What are alloys? Give Examples.
- 3- What is the role played by the Alchemists?
- 4- Name the two elements discovered by the Alchemist.
- 5- What kind of experiments did Alchemists do?



6- Give two examples for each of the following substances:

- a) Food preservatives
- b) Fuels
- c) Fungicides
- d) Medicines
- e) Building materials
- f) Chemical war weapons

### LEVEL-3

LQ (3 Marks)

- 1- Explain the historic perspective in the development of Chemistry.
- 2- Write a short note On Alchemy.
- 3- Explain the goal of Alchemy.
- 4- Explain how Science has helped the early human beings.
- 5- The Iron pillar near Qutab Minar Is Unique. Justify your answer.

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### LEVEL-1

SUB-TOPIC-Importance of Chemistry/ Dark side of Chemistry

VSQ (1 Mark)

- 1- Expand D.D.T
- 2- Expand B.H.C
- 3- What are insecticides?



- 4- Define pesticides.
- 5- What do you mean by fertilizers?
- 6- Expand LPG.
- 7- Name some common preservatives.
- 8- What are fungicides?
- 9- Give an example of fungicide.
- 10-Name some medicines used to kill germs and cure diseases.
- 11-Name any two fibres that are strong and wrinkle resistant.
- 12-Expand CNG.
- 13-Write the full form of TNT-
- 14-Expand TNT.
- 15-Expand LSD.
- 16-Write the full form of RDX.
- 17-What is the chemical name of RDX?
- 18-What are Enzymes?
- 19-Name the Scientist who discovered Oxygen.
- 20-Name the Scientist who discovered Nitrogen
- 21-Name the Scientist who discovered Laws of Electrolysis.
- 22-Name the Scientist who discovered Hydrogen.
- 23-Name the Scientist who discovered Argon and Helium
- 24-Name the Scientist who discovered Krypton and Xenon.
- 25-Name the Scientist who devised safety lamp.
- 26-Name the Scientist who isolated potassium and sodium.



## LEVEL-2

## SQ (2 Marks)

- 1- What are Hormones? Give Examples
- 2- Why our body is considered as a mobile chemical factory?
- 3-Give two examples for each of the following substances:

- g) Food preservatives
- h) Fuels
- i) Fungicides
- j) Medicines
- k) Building materials
- l) Chemical war weapons

- 4-How is chemistry helpful in improving the health of human beings?
- 5-What is the main difference between alchemy and chemistry?
- 6-Name the chemicals which help in increasing food production.
- 7-Who is Known as the "Father of Chemistry"? Why?

## LEVEL-3

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## LQ (3 Marks)

- 1- Explain the contribution of chemistry in the field of Industries.
- 2- Explain the contribution of chemistry in the field of Clothing.
- 3- Explain the contribution of chemistry in the field of Cosmetics.
- 4- Explain the contribution of chemistry in the field of Industries.
- 5- Explain the contribution of chemistry in the field of National Defence
- 6- Explain the contribution of chemistry in the field of Medicines.
- 7- Write a short note on chemistry and energy resources
- 8- Name any three communication devices gifted by chemistry.



- 9- How Chemistry helped in Transport?
- 10- Explain the Dark side of Chemistry.
- 11- Explain how chemistry has played an important role in food processing and processed food.
- 12- What are hormones? Give some examples.
- 13- Name the scientists who discovered the following.
- a) Atoms
  - b) Safety lamp
  - c) Oxygen
  - d) Elements

