

# INORGANIC CHEMISTRY

## UNIT - I

- ① Define various sources of impurities (V)
- ② Define importance of limit test, Write in detail about limit test of Iron / Arsenic / Chloride / Lead (V)
- ③ Write in detail about History of Pharmacopoeia.

## UNIT - II

- ① What are Buffer solutions. Write a short note on Buffer equation (Henderson Hasselbalch equation)
- ② Isotonicity, Measurement of tonicity, Method of adjusting tonicity (V)
- ③ Define electrolytes. Write a short note on replacement therapy also define preparation, properties and uses of sodium chloride, Calcium Gluconate (V)
- ④ Define Physiological Acid-base balance.
- ⑤ Role of Fluoride in the treatment of dental caries with reference to sodium fluoride. (V)
- ⑥ Write a short note on Dentifrices
- ⑦ Composition of ORS

### UNIT - III

- ① Acidifier / Acidifying Agents → ammonium chloride
- ② Antacids → Sodium Bicarbonate, Aluminium hydroxide gel (V)
- ③ Cathartics → Magnesium Sulphate, kaolin, Bentonite.
- ④ Antimicrobials (Anti infective agents) → Potassium Permanganate  
Hydrogen Peroxide  
Chlorinated Lime (V)

### UNIT - IV

- ① Expectorants → Ammonium Chloride (V)
- ② Haematinics → Ferrous Sulphate (Green Vitool) (V)
- ③ Poison ← Antidote → Potash Alum Sodium Thiosulphate (V)
- ④ Emetics → Copper Sulphate
- ⑤ Astringents → Potash Alum

### UNIT - V

- ① Write a descriptive note on Radiopharmaceuticals. (V)
- ② Define measurement of Radioactivity. (V)
- ③ What are Radioactive compounds. Define properties of  $\alpha$ ,  $\beta$  and  $\gamma$  rays. (V)
- ④ Define Half Life.