

B.Pharm. (CBCS Pattern) Semester-I  
**BP104T - Pharmaceutical Inorganic Chemistry-I**

P. Pages : 1

Time : Three Hours



**GUG/S/25/10873**

Max. Marks : 75

- Notes :
1. Diagrams and Chemical equation should be given wherever necessary.
  2. Illustrate your answers wherever necessary with the help of neat sketches.
  3. All questions are compulsory.

- 1.** Solve the following compulsory questions. **10x2**  
**=20**
- 1) Write down the principle and uses of Sulphate
  - 2) Define Acid, bases and buffers.
  - 3) Write down the molecular formula, molecular weight and uses of chloride.
  - 4) Define antacid and ORS.
  - 5) Write down the pharmaceutical uses of calcium hydroxide.
  - 6) Write down a short note on antimicrobials.
  - 7) Define dentine, cementum and enamel?
  - 8) Write down the uses of Magnesium Sulphate.
  - 9) Define laxative and purgative.
  - 10) What is anaemia? Give its types.
- 2.** Solve **any two**. **2x10**  
**=20**
- 1) Define and classify expectorants. Explain their mechanism of action and give a detailed account on ammonium chloride.
  - 2) Write the construction, working and principle of Geiger-Muller counter with a neat and labelled diagram.
  - 3) Give the preparation, properties and uses of magnesium sulphate and hydrogen peroxide.
- 3.** Solve **any seven**. **7x5=**  
**35**
- 1) Define radioisotopes and give the clinical application of radioisotopes.
  - 2) What do you mean by oral rehydration therapy.
  - 3) Explain electrolyte replacement therapy.
  - 4) Give detailed account on history of pharmacopoeia.
  - 5) What is the difference between dentifrices and desensitizing agent.
  - 6) What is buffer solution classify them with suitable examples.
  - 7) Enlist major intracellular ion present in body and write their function.
  - 8) Define Astringent. Write its mechanism and give detailed account on potash alum.
  - 9) Write a note on Gastrointestinal tract agents.

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