

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

P. Pages : 1

Time : Three Hours



GUG/W/24/10873

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 all of the following questions which are compulsory. **2x10**
=20
- a) Define laxative, purgatives, cathartics.
 - b) Define dentifrices with examples.
 - c) What is the principle of limit test of iron.
 - d) What are buffers and buffer capacity.
 - e) What are the ideal properties of antacids.
 - f) What is difference between systemic and urinary acidifiers.
 - g) What is HSAB concept.
 - h) Define antimicrobial and classify them.
 - i) What are haematinics? Give the examples and uses of haematinics.
 - j) Define astringent and give uses and formula of potash alum.
- 2.** Solve the following (**any two**) **10x2**
=20
- a) Explain Electrolytes used in the replacement therapy?
 - b) What are Anticaries agent, explain the role of fluoride as anticaries agent discuss various official compound?
 - c) Describe measurements & methods of adjusting isotonicity?
- 3.** Solve the following (**any seven**) **5x7**
=35
- a) Derive Handerson- Hasselbalch equation.
 - b) Explain about the limit test of Arsenic.
 - c) Describe Lewis concept of acid & base with its limitation?
 - d) Explain in detail method of preparation, assay & uses of:
 - i) Hydrogen peroxide
 - ii) Chlorinated lime
 - e) Add a note on Antidote with example.
 - f) Write short note on astringents?
 - g) Define radioactivity. Explain storage condition, precaution & pharmaceutical applications of radioactive substance?
 - h) What are cathartics explain it with anyone example?
 - i) Add a note on history of Indian pharmacopoeia.
