

Bachelor of Pharmacy (B.Pharm) First Semester (Old) CBS
BP 102 - Pharmaceutical Inorganic Chemistry-I

P. Pages : 1

Time : Three Hours



GUG/W/18/1148

Max. Marks : 80

- Notes :
1. All questions carry equal marks.
 2. Assume suitable data wherever necessary.
 3. Discuss the reaction, Mechanism wherever necessary.
 4. Que. No. 1 is compulsory, Solve **any four** from remaining.

1. Solve **any four** questions. **16**
 - a) Explain physiological acid base imbalance.
 - b) Describe the limit test of Chloride.
 - c) Explain Bronsted-Lowry concept of acid and base.
 - d) Write a note on suspending agents.
 - e) Give an account of half life of radio pharmaceuticals.
2.
 - a) What Criteria should taken into consideration while selection of pharmaceutical buffers. **8**
 - b) Describe in detail buffer action and buffer capacity. **8**
3. Define antioxidant and given in detail the Mechanism of action of antioxidant by giving suitable examples. **16**
4.
 - a) Describe the properties of α , β and γ rays. **8**
 - b) Explain with example the radio opaque contrast media. **8**
5. Give method of preparation and Pharmaceutical uses of following Inorganic compounds. **16**

Any four.

 - a) Boric acid.
 - b) Sodium Nitrite.
 - c) Barium Sulphate.
 - d) Hypophosphorous acid.
 - e) Sodium thiosulphate.
6. Give in detail the account of different types of impurity and sources of impurity. **16**
7.
 - a) Describe inhalants with suitable examples. **8**
 - b) Write a note on the pharmaceutical acceptable glasses. **8**
