

**I B. Pharmacy I Semester Supplementary Examinations, Jan/Feb - 2018**  
**PHARMACEUTICAL INORGANIC CHEMISTRY-I**

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions  
All Questions carry **Equal** Marks

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1. a) Define limit tests and explain the procedure, principle of limit test for Iron. (8M)  
b) What are quality control tests? Why is it important to limit impurities in pharmaceutical substances? (7M)
2. a) Enlist different qualitative tests for anions and write the procedure for the detection of any three anions. (8M)  
b) How do you conduct limit test for chloride in Sodium bicarbonate and what are the I.P. limits for chloride in Sodium bicarbonate? (7M)
3. a) Enlist different Sodium and Potassium electrolytes and discuss their role in human body. (8M)  
b) What are acid base regulators? Mention any two systemic alkalizers, write their formulae and uses. (7M)
4. a) Explain the advantages and disadvantages of hemodialysis and Intraperitoneal dialysis. (8M)  
b) Discuss the I.P. monograph of Aluminium hydroxide gel. (7M)
5. a) What are Electrolyte replenishers? Write the composition, preparation and uses of ORS. (8M)  
b) Write the properties, formula and uses of Calcium gluconate and dibasic calcium phosphate. (7M)
6. a) What are Gastric alkalizers? Classify Antacids with examples and mention their merits and demerits. (8M)  
b) Explain the procedure, principle and assay of Sodium citrate. (7M)
7. a) Define HAEMATINICS? Write the procedure, principle present in the assay of Ferrous sulphate. (8M)  
b) Enlist pharmaceutically important Halogens and write their uses. (7M)
8. a) Define pharmaceutical aids and write the structure and uses of Dicalcium phosphate and Talc. (8M)  
b) Write a note on Bentonite and Ferric oxide. (7M)