

QP CODE: 101006 (Old Scheme)

Reg. No:

First Year B.Pharm Degree Supplementary Examinations October 2018

**Pharmaceutical Chemistry - I
(Inorganic & Physical Chemistry)**

(2010 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. What is pharmacopoeia. Explain monograph in detail.
2. Define adsorption. Discuss in detail the factors influencing adsorption.
3. Define radioactivity. Explain in detail the measurement of radioactivity with construction and working of any one counter.

Short notes

(14x5=70)

4. What is limit test. Explain in detail the limit test for chloride.
5. Discuss in detail the radiation hazards.
6. Briefly explain the assay of ammonium chloride.
7. Discuss the preparation of magnesium hydroxide gel.
8. Give an account of preparation of the following: iron, ammonium citrate and zinc undecenoate
9. Detail the medicinal properties of the following: sodium fluoride, dibasic calcium phosphate, sodium citrate, ferrous gluconate and magnesium stearate.
10. Explain the method of assay of the following compounds with reactions involved: hydrogen peroxide, calcium gluconate
11. Give an example for the following class of compounds: expectorant, astringent, glident, antifungal and heamatonic
12. How will you estimate the neutralizing capacity of an antacid
13. Briefly discuss the test for purity of oxygen.
14. Oral rehydration salt
15. Determination of molecular weight through elevation of boiling point
16. Adsorption isotherms.
17. Briefly discuss the co-ordination compounds used in pharmacy
