

2012 Scheme

QP CODE: 111006

Reg. No:

First Year B. Pharm Degree Supplementary Examinations March 2022

Pharmaceutical Chemistry - I

(Inorganic & Physical Chemistry)

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Write equations wherever necessary.

Essay

(3x10=30)

1. Explain the principle, methodology involved in the limit test for lead.
2. Explain the types of adsorption. Discuss and compare the difference of physical adsorption and chemisorption.
3. Give the preparation, properties, assay and uses of ammonium chloride.

Short notes

(14x5=70)

4. Explain Pharmacopoeial monograph
5. Explain the following physical properties
 - Dipole moment
 - Optical rotation
6. Give the preparation, assay and uses of hydrogen peroxide
7. Give the physiological role of calcium and magnesium
8. Explain Debye Huckel Theory.
9. Give the identification test, test for purity storage and uses of sodium thiosulphate
10. Explain sodium metabisulphite and mention its uses.
11. Explain the preparation, properties, assay and uses of selenium sulphide.
12. Give the identification test, test for purity, storage and uses of Bismuth sub carbonate.
13. Explain sterile water for injection.
14. Give the identification test, test for purity, storage and uses of chlorinated lime.
15. What are expectorants. Write a note on potassium iodide and mention its uses.
16. Give the identification test and uses of sodium lactate.
17. Explain the preparation, assay and uses of magnesium hydroxide.
