

First Year B.Pharm Degree Supplementary Examinations, February 2017

PHARMACEUTICAL CHEMISTRY - I
(Inorganic & Physical Chemistry)

(2012 - Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Explain co-ordination compounds with discussion on EDTA and dimercaprol.
2. Discuss any five points under kinetic theory of gases and add a detailed note on the deviation of gases from the ideal behavior.
3. Explain the role of fluorides as anti-caries agents with valid example.

Short notes

(14x5=70)

4. Narrate the method of preparation, assay and uses of sodium bi carbonate.
5. Explain Co^{58} and also mention the precautions to be taken in handling and storage of radio-pharmaceuticals.
6. Enumerate the various magnesium compounds used as antacids and discuss on any one.
7. Explain physical property, surface tension.
8. Sclerosing agents - Explain.
9. Various official solutions and preparations of iodine.
10. List out the pharmaceutical aids and mention their utility in formulations.
11. Method of preparation, assay and uses of hydrogen peroxide.
12. What is the physiological role of copper and zinc
13. Talc and calamine.
14. What are the various tests and purity measures followed for the preparation of sterile water for injection
15. How parachor and the dipole moment are measured
16. Principle and equations for the limit test for chloride.
17. Explain saline cathartics.
