

QP CODE: 111006 (New Scheme)

Reg. No:

First Year B.Pharm Degree Examinations June 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. Define cathartics. How do you prepare aluminium hydroxide and magnesium hydroxide. Mention the preparation of sodium bicarbonate
2. What are topical agents. Mention the classification and medicinal uses of inorganic topical agents. How do you prepare potassium permanganate and hydrogen peroxide.
3. Explain the biological significance of any four trace elements in our body. How do you assay calcium gluconate.

Short notes

(14x5=70)

4. What is antacid combination therapy and mention examples
5. Why arsenic limit test is important. Explain the principle behind it
6. Mention the preparation and use of one important dental product.
7. The preparation, labelling and uses of medicinal oxygen
8. Explain the physiological role of calcium and potassium
9. How do you assay ferrous sulphate. What are its medicinal uses of iron containing compounds.
10. Mention examples for pharmaceutical aids. Mention the chemical formula and uses of methylparaben and sodium bisulphite
11. What is purified water and mention its different uses.
12. What are Expectorants? Mention examples and their uses
13. Dimethicone and its application in medicine
14. Why dipole moment is important in pharmaceuticals.
15. Explain Langmuir's equation
16. Enlist the precautions to be taken while handling radiopharmaceuticals
17. The significance of partition coefficient
