

QP CODE: 111006

Reg. No:

**First Year B.Pharm Degree Supplementary Examinations
October 2018**

**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. Enlist the ions present in ORS. Explain the contents and role of each ion. Where is it useful.
2. Define adsorbents and protectives in inorganic pharmaceuticals. What antacids and why antacids are given in combination.
3. What are trivalent astringents. Give examples and their medicinal uses. How do you prepare and assay hydrogen peroxide.

Short notes

(14x5=70)

4. Explain the preparation of magnesium hydroxide and aluminium hydroxide
5. What are heavy metals. Explain the principle involved in the limit test for heavy metals.
6. What is the role of fluoride ions in dental caries. Give the preparation of one fluoride containing inorganic compound
7. How do you prepare and assay inhalant oxygen.
8. Iron compounds used as medicine and give examples
9. Physiological role of selenium and sulphur
10. Activated charcoal and its importance in pharmacy
11. Water for injection IP
12. What are inorganic expectorants. Give examples and their uses
13. How does EDTA help in pharmaceutical analysis
14. Explain the colligative properties of solution with examples
15. What is surface tension and give its significance in pharmacy.
16. Explain any two important sources of impurities in pharmaceuticals
17. What are the units for measuring radioactivity. Mention the uses of Cobalt-58
