

# 2012 Scheme

QP CODE: 111006

Reg. No: .....

## First Year B. Pharm Degree Supplementary Examinations June 2024 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. Physiological functions of major intra and extracellular electrolytes in human system. Explain electrolyte replacement therapy.
2. Explain the principle, role of reagents and chemical reactions involved in the limit test for Iron.
3. Give the preparation, properties, assay, storage and uses of Magnesium Hydroxide.

### Short notes

(14x5=70)

4. Enumerate the sources of impurities in pharmaceutical substances.
5. Describe the qualities of an ideal antacid. Give the preparation and uses of magnesium carbonate.
6. Give the preparation, storage and uses of Zinc sulphate.
7. Enlist the various applications of radiopharmaceuticals.
8. Uses of light Kaolin, titanium dioxide and potassium permanganate.
9. Explain Saline cathartics with examples.
10. Give the preparation, properties, storage and uses of povidone-iodine.
11. Explain the physiological role of copper and manganese.
12. Give the preparation, properties, assay and uses of selenium sulphide.
13. Give the preparation, properties, storage and uses of nitrogen.
14. Discuss the inorganic compounds used as antidotes in poisoning.
15. What are astringents. Give the preparation, storage and uses of alum.
16. Note on calamine and EDTA.
17. Discuss sodium bisulphite and magnesium stearate and mention its uses.

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