

# **2012 Scheme**

**QP CODE: 111006**

**Reg. No: .....**

## **First Year B.Pharm Degree Supplementary Examinations November 2019**

### **Pharmaceutical Chemistry - I (Inorganic & Physical Chemistry)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

#### **Essay**

**(3x10=30)**

1. Explain the principle involved in the limit test heavy metals and lead.
2. What is physiological acid-base balance and discuss its importance and give the preparation and assay of calcium gluconate.
3. What are antimicrobials. Give examples and their medicinal uses. How do you prepare and assay hydrogen peroxide

#### **Short notes**

**(14x5=70)**

4. How does EDTA help in pharmaceutical analysis
5. Explain the different types of adsorption isotherms.
6. What is monograph
7. Write the method of preparation and assay of aluminum hydroxide gel.
8. What are the units for measuring radioactivity. Mention the uses of barium-sulphate.
9. Explain oral rehydration salts with its uses.
10. What are pharmaceutical aids. Give two examples with their uses.
11. Write one example for dentifrices with its preparation and uses.
12. Define acidifiers giving examples. Describe the preparation and assay of ammonium chloride.
13. Write the preparation of hypertonic saline and potassium bromide.
14. Water for injection IP.
15. Define astringents with examples. Describe the preparation of zinc sulphate with its uses.
16. Define antidotes. Classify them with examples.
17. Why potassium iodide is used in the preparation of standard iodine solution and formaldehyde is used in the assay of ammonium chloride.

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