

2012 Scheme

QP CODE: 111006

Reg. No:

First Year B.Pharm Degree Supplementary Examinations December 2020

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. Classify antacids giving one example from each class. Discuss the quality of an ideal antacid and explain the advantages of combination therapy.
2. Discuss the importance of limit test explain the principle involved in the limit test for arsenic.
3. What are astringents. Explain the medicinal uses of alum and zinc chloride. How do you prepare and assay boric acid.

Short notes

(14x5=70)

4. Discuss the role of fluorides as anti caries agent and explain the preparation of sodium fluoride.
5. Explain the physiological role of chloride. Discuss any one compound used in acid base therapy.
6. What are sources of impurities in pharmaceuticals.
7. How does 1,10 Phenanthroline help in pharmaceutical analysis.
8. Write three iron compounds used as medicines.
9. How do you measure radioactivity. Mention the uses of iodine – 131.
10. How do you prepare and assay ammonium chloride
11. Explain the importance of activated charcoal in pharmacy.
12. What are expectorants. Give examples with their uses.
13. How do you prepare and assay nitrous oxide.
14. Explain refractive index and optical rotation.
15. What are ideal and real solutions.
16. Give the preparation and assay of ferrous sulphate.
17. Explain the preparation and uses of potassium iodide.
