

QP CODE: 105326

Reg. No:.....

First Year Pharm D Degree Supplementary Examinations - March 2013

Pharmaceutical Inorganic Chemistry

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Write equations and draw diagrams wherever necessary

Essay: (2x10=20)

1. How do you carry out the limit test for chlorides and sulphates for the sample of sodium salicylate. Explain with principle and procedure.
2. Explain the preparation and assay method for sodium lactate. Add a note on ORS and its components

Short notes: (10x3=30)

3. Non-aqueous titrations
4. Explain the theory of neutralization indicator
5. How do you prepare medicinal grade carbon dioxide and mention its uses.
6. What is antacid combination therapy.
7. What are saline cathartics. Mention the mechanism of action and give examples
8. How do you prepare sodium potassium tartrate and mention its uses
9. What are dentifrices. How do you prepare sodium fluoride
10. Narrate the physiological role of potassium, magnesium and bicarbonate ions
11. How do you prepare and assay boric acid.
12. Iodine as antimicrobial agent

Answer briefly: (10x2=20)

13. What is the modification required for potassium permanganate sample to carry out sulphate limit test.
14. Why do you use citric acid and ammonia in iron limit test.
15. Name any two primary standards used in volumetric analysis
16. Name any four indicators used in redox titrations
17. Define expectorants and emetics
18. Define radioactive decay and radioactive half life
19. How do you prepare dicalcium phosphate.
20. Enlist ideal properties of antacids
21. How do you test the efficacy of antacids.
22. How do you prepare ferrous sulphate
