

**First Year Pharm D Degree Examinations - August 2014**

**Pharmaceutical Inorganic Chemistry**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. What is the biological importance of iron. Describe the preparation and assay procedure of ferrous sulphate. Name any two other iron containing compounds official in IP
2. Explain the principle of arsenic limit test with a neat labeled diagram. Justify the addition of each reagent
3. Classify gastrointestinal agents giving examples. Explain its mechanism of action of each class and medicinal uses.

**Short notes:**

**(8x5=40)**

4. Anticaries agents
5. Name any three medicinal inhalants with their uses. Explain how they are supplied and stored.
6. Explain the radio-isotopes Iodine-131 and Gold-198
7. Emulsifying and suspending agents and its importance in formulations
8. Define and classify errors with examples
9. Define and classify antimicrobials with examples
10. Explain the principle involved in the assay of chlorinated lime
11. What are the steps involved in the gravimetric analysis. Explain with an example

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