

[LL 805]

OCTOBER 2017

Sub. Code: 3805

**PHARM. D DEGREE EXAMINATION**  
**(2009-2010 Regulation)**  
**FIRST YEAR**  
**PAPER V – PHARMACEUTICAL INORGANIC CHEMISTRY**

*Q.P. Code : 383805*

**Time : Three hours****Maximum : 70 Marks****I. Elaborate on:****(4 x 10 = 40)**

1. Explain on various types of Argentimetric titrations with examples.
2. Explain the principle and procedure for limit test for iron including the reason for the addition of various reagents.
3. Describe the principle involved in the assay of Magnesium Sulphate and Ammonium Chloride.
4. Define primary and secondary standards. What are the requirements of primary standard? Add a note on Arrhenius concept of acid - base and its limitations.

**II. Write notes on:****(6 x 5 = 30)**

1. Define antidote, sclerosing agents and expectorants with examples. Add a note on antimicrobial agents.
2. Write the clinical application, hazards and precautions of radiopharmaceuticals.
3. Describe the electrolytes used for replacement therapy with an example.
4. Give the preparation, medicinal uses and storage condition of oxygen and nitrous oxide.
5. List the sources of impurities in pharmaceutical substances and explain on any two.
6. Write the principle involved in the titration of very weak bases by non aqueous titration.

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