

[LD 805]

OCTOBER 2013

Sub. Code: 3805

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**FIRST YEAR****PAPER V – PHARMACEUTICAL INORGANIC CHEMISTRY***Q.P. Code: 383805***Time: Three Hours****Maximum: 70 marks****Answer All questions****I. Elaborate on:****(2 x 20 = 40)**

1. a) Describe the principle and procedure involved in the limit test for Iron.
b) Explain the procedure for the assay of oxygen and carbon dioxide.
2. a) Explain the theory of redox titration.
b) Explain the various concepts of Acid-base.
c) Give an account on Neutralization curve.

II. Write notes on:**(10 x 3 = 30)**

1. How will you prepare and standardize 0.05 M disodium EDTA.
2. Explain types of solvent used in non aqueous titration.
3. Describe the principle involved in Mohr's method.
4. What are the applications of buffer solution in pharmacy.
5. Write a note on the assay and uses of aluminium hydroxide gel.
6. Explain the physiological role of copper & selenium.
7. What are cathartics? Give an example.
8. Explain Geiger-Muller counter
9. What are antacids? Classify them with examples.
10. Write molecular formula and uses of the following:
 - a) Potassium Iodide.
 - b) Sodium Fluoride.
 - c) Ferrous fumarate.
