

[KX 805]

SEPTEMBER 2010

Sub. Code: 3805

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**(Regulations 2008-2009)****(Candidates admitted from 2008-2009 onwards)****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) Write in detail the preparation, properties assay, identification test and uses of oxygen.
- b) Write the preparation, acid consuming capacity and assay of aluminium hydroxide gel.
2. a) Write the principle involved in the non aqueous titration.
- b) Preparation and Standardisation of perchloric acid.
- c) Explain the experimental techniques of gravimetric analysis.

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

1. Explain the theory of Indicators.
2. Write a note on the preparation assay and uses of Boric acid.
3. Write the Medicinal uses of the following compounds
 - a) Potassium Bromide.
 - b) Sodium Nitrate.
 - c) Ferrous Sulphate.
 - d) Carbon dioxide.
 - e) Hydrogen Peroxide.
4. Define error and write its types.
5. Write about the Pm indicator used in complexometric titration.
6. Write any five radio pharmaceuticals and their uses.
