

[KY 805]

MAY 2011

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) Describe the sources of impurities in pharmaceutical substances.
b) Explain the principle and procedure involved in the limit test for arsenic with neat labeled diagram of the apparatus.
2. a) What are the various errors that occurs during analysis?
b) Write briefly about Complexometric titrations.

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

1. Explain the principle of Redox titrations with suitable examples.
2. Give the preparation, assay and uses of calcium gluconate.
3. Explain the theory of precipitation titrations.
4. What are antidotes? Explain about any one antidote used for cyanide poisoning.
5. Write a note on various pharmaceutical aids with examples.
6. Clinical applications of Radio-Pharmaceuticals.
