

[LK 805]

MAY 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. Write in detail about the sources of impurities in pharmaceutical substances. Explain the method and principle involved in the limit test for sulphate.
2. Define radioactivity. Explain the types of radiation. List out various method for detecting and measuring radioactive radiation. Describe any one method.
3. Define antacid, classify it with examples. What are the qualities of an ideal antacid? Write about the combinations of an antacid with suitable examples. Explain the acid neutralizing capacity of antacid.
4. What is non-aqueous titration? Explain the various solvents involved in non-aqueous titration with examples.

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

1. Write the storage and medicinal uses of oxygen, nitrous oxide and helium.
2. Write a note on iodine solutions and povidone - iodine.
3. Explain the assay of calcium gluconate and give any one identification test.
4. a) Name the inorganic compounds used as antidote for cyanide poisoning. Justify your answer.
b) Define expectorant, sedative and hypnotics.
5. Discuss on official preparations of sodium chloride.
6. Write a note on silicone polymers and simethicone.
