

[LO 805]

MAY 2019

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 in detail about acid-base balance in blood. What are the electrolytes used for maintaining the physiological acid-base balance? Discuss in detail about any two of it.
2. Write the assay with principle, storage and medicinal uses of:
a) Ammonium chloride b) Hydrogen peroxide
3. Briefly discuss about Antimicrobials. Explain in detail about the preparation, properties with suitable reactions and medicinal uses KMnO_4 .
4. a) What is EDTA? Write its structure and role in Complexometric titration.
b) Briefly discuss on Redox titrations.

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

1. Give reasons:
a) Addition of alcohol in the limit test for Sulphate.
b) Use of lead acetate cotton wool in the limit test for Arsenic.
c) Addition of Ammonia in the limit test for Iron.
2. Explain the storage and labelling procedure of Oxygen, Carbon di-oxide and Nitrous oxide.
3. Explain Pharmaceutical aids. Give the various types of Pharmaceutical aids with suitable examples.
4. Write the preparation and standardisation of 0.1N Perchloric acid.
5. Differentiate between Iodimetry and Iodometry with suitable example.
6. Write briefly on Theory of indicators.
