

B. Pharm. (First Semester)

EXAMINATION, June, 2011

(Grading/Non Grading)

PHARMACEUTICAL CHEMISTRY – II

(Inorganic)

(PY-105)

Time : Three Hours

Maximum Marks : 70

Note : Attempt any five questions. All questions carry equal marks.

1. Give the principle, reaction and procedure for limit test of iron.
2. (a) Give various conditions leading to electrolytic imbalance.
(b) Give preparation, properties and uses of sodium chloride.
3. Give uses and assay procedure of any three of the following :
 - (a) Sodium bicarbonate
 - (b) Aluminium hydroxide
 - (c) Magnesium carbonate
 - (d) Zinc stearate

4. Give preparation, properties and uses of the following :
 - (a) Grignard's reagent
 - (b) Potassium dichromate
 - (c) Hydrogen peroxide
5. (a) What are various types of particles and radiations emitted by radioisotopes ?
(b) Give the uses of Gold and Iodine preparation as radio-pharmaceuticals.
6. Write notes on any two of the following :
 - (a) Oxidation states and chemical reactivity
 - (b) Electrolyte combination therapy
 - (c) Detectors for measurement of radioactivity
7. Define ionization enthalpy and electron gain enthalpy. Explain the factors affecting electron gain enthalpy.

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