

B. Pharm. (First Semester)

EXAMINATION, Dec., 2011

(Grading/Non-Grading)

PHARMACEUTICAL CHEMISTRY – II

(Inorganic Chemistry)

(PY – 105)

Time : Three Hours

Maximum Marks : 70

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

- ✓1. Give preparation, properties and uses of the following :
  - (a) Nessler's Reagent
  - (b) Potassium Permanganate
  - (c) Iodine Solution
- ✓2. (a) Explain various parameters for quality control of radiopharmaceuticals.
  - (b) Give the role of radioisotopes in diagnosis.
- ✓3. Write notes on any *two* of the following :
  - (a) Radio-opaque contrast media
  - (b) Compounds of iron
  - (c) Limit test of arsenic

- ✓4. (a) Explain the factors affecting ionization enthalpy in details
  - (b) Give the Mosley's law of periodic table and characterize in detail *s*, *p*, *d* and *f* block elements.
- ✓5. Give the principle, reaction involved and procedure for limit test of chlorides.
6. (a) Explain the Bicarbonate and Phosphate mechanism of physiological acid-base balance.
  - (b) Give preparation, properties and uses of Sodium Acetate.
7. Give uses and assay procedure for any *three* of the following :
  - (a) Calcium carbonate
  - (b) Sodium fluoride
  - (c) Ferrous gluconate
  - (d) Boric acid

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