Code No. : **6502/M**

FAC   A **60 ARMACY**

B.Pharmacy I Yeat (Main) Examination, June 2012
PHARMACEUTICAL INORGANIC CHEMISTRY

Time : 3 Hours]   [Max. Marks : 70

Note : Answer all questions. All questions carry equal marks.

1. a) i) Write the classification of pharmaceutical inorganic compounds based on their applications with examples.   8

    ii) Give the principle and procedure involved in the limit test for Iron.   6

    ## OR

    b) i) Define a term limit test, give the principle and procedure involved in limit test for Arsenic.   (1+7)

    ii) How do you identify group — IV cations with chemical reactions.   6

2. a) i) What are Antacids ? Give the preparation, properties and assay of magnesium carbonate and Aluminium hydroxide.   (1+8)

    ii) Write a brief note on Haemo dialysis fluids.   5

    ## OR

    b) i) What are calcium replenishers ? Give the preparation, properties, assay and uses of calcium chloride and calcium gluconate.   (1+8)

    ii) Give a note on Laxatives.   5

3. a) i) Define Haematinics. Give a preparation, assay, test for purity and uses of ferrous gluconate and ferrous fumarate.   (1+8)

    ii) Give a note on Excipients.   5

    ## OR

(This paper contains 2 pages)   1   **P.T.O.**

4. a) i) Discuss methods of preparation of ointments.   8

    ii) Write a note on coca butter.   **6**

             OR

  b) i) Give a note therapeutic incompatibility.   **5**

    ii) Write the type of incompatibility and method to overcome the incompatibility in the following.

      A) Px.

        Phenobarbital Sodium — 1 gm   **4**
        $NH_4 Br$ 0.2 gm
        Water upto 30 ml.

      B) Px.

        Borax — 2 gm   **5**
        Glycerine—la mi
        $NaHCO_3$ — 0.5 gm
        Water upto 30 ml

5. a) i) Write the applications of Radiopharmaceuticals.

    ii) Explain percolation process of extraction with a neat sketch.   **8**

             OR

  b) i) Write about the containers, filling, handling and storage of medical gases.   **6**

    ii) Write the different types of extracts with its applications.   **8**

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4. a) Write short notes on the following :

    i) MS power point basics

    ii) Transition and animations

    iii) Templates.

OR

b) i) Explain the data base concepts.

    ii) Write about the queries and forms with examples.

5. a) Explain the following :

    i) Internet browser

    ii) Pharmaceutical resources in WVVW

    iii) Search engine

    iv) Structure and organisation of WWW.

OR

b) i) Write about chemical data base design and their tools.

    ii) Briefly explain about SQL commands.

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