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B. Pharmacy 1st Semester Examination

Pharmaceutical Inorganic Chemistry (N.S.)

BP-111

Time : 3 Hours **Max. Marks : 70**

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : (i) Attempt any two questions from Section 'A' & Eight questions from Section 'B'.

(ii) Attempt all the questions from Section 'C'.

SECTION - A

1. Define and classify Gastro-intestinal agents with suitable examples. Write brief account on combination Antacid therapy. **(10)**

2. Differentiate complexing and chelating agents. Give complete profile of chelating agents. **(10)**

3. (a) Name any two flourides with their merits, demerits, effectiveness and limitation used in dental products. **(5)**

   (b) Explain the principle, method of limit test of following (any two):

   (i) Iron (ii) Chloride (iii) Sulphate **(5)**

SECTION - B

4. Define following:

   (i) Astringent (ii) Antacids (iii) Hygroscopic
   (iv) Haematinics (v) Adsorbent **(5)**

5. Explain role of protectives as topical agents. **(5)**

6. Write short note on Anticaries agents. **(5)**

7. Give preparation and uses of following:

   (a) Potassium Iodide (b) Bentonite **(5)**

8. What is the role of (i) Manganese (ii) Zinc in the body? **(5)**

9. Give uses & Assay procedure of following:

   (i) Ferrous Gluconate (ii) Boric Acid **(5)**

10. Define Anesthetics and Respiratory stimulants with suitable examples. **(5)**

11. Explain the bicarbonate and phosphate mechanism of physiologic Acid Base balance. **(5)**

12. What do you mean by essential & Trace Elements? **(5)**

13. Enumerate various pharmaceutical aids and their functions. **(5)**

SECTION - C

14. (a) Why Thioglycollic Acid is added in limit test of Iron?

    (b) Define screrosing agents with example.

    (c) Write down properties of Borax.

    (d) Write about uses of Respiratory Stimulants.

    (e) Give chemical formula of the following:

        (i) Sodium Metabisulphate

        (ii) Sodium Bisulphite

        (iii) Titanium Oxide

        (iv) Hydrogen peroxide. **(2×5=10)**