Code No.S23042 Time : 3 hours
Maximum marks: 80

Note: Answer ***any eight*** questions
All questions carry equal marks
Draw diagrams and write equations wherever necessary

1. (a) What are antioxidants? Write the chemical formula, properties, and uses of Sulphur dioxide. [5]
   (b) What are the storage conditions of (i) Hydrogen peroxide (ii) Silver nitrate [5]
2. (a) What are the biological effects of radiation. [5]
   (b) Write a note on Dentifrices [5]
3. (a) Write the principle involved in Limit test for Sulphates [5]
   (b) Define Antacids. Add a note on combination antacid preparations. [5]
4. (a) Give the properties, storage, and uses of oxygen. . [5]
   (b) Write a note on Potassium chloride and its preparations [5]
5. (a) Explain the sources of impurities in pharmaceuticals. [5]
   (b) Write the chemical formula and use of
   (i) Titanium dioxide (ii) Selenium sulphide [5]
6. (a) Give two identification tests each for (i) Bicarbonates (ii) Silver [5]
   (b) What is the principle involved in the assay of Boric acid? [5]
7. (a) Give one use each of (i) Hydrochloric acid (ii) Ammonium carbonate
   (iii) Sodium nitrite (iv) Potassium permanganate (v) Kaolin. [5]
   (b) Write the composition and use of ORS. [5]
8. (a) Define giving one example (i) Saline Cathartics (ii) Astringents [5]
   (b) Write briefly on (i)Barium sulphate (ii) Povidone- iodine [5]
9. (a) List the official compounds of Calcium. Add a note on Calcium carbonate [5]
   (b) Write the formula, properties and uses of Talc. [5]
10. (a) Write the chemical formula, storage and uses of Ammonium chloride [5]
    (b) Write a note on Mercury compounds. [5]