

1. a) Discuss the significance of quality control test in pharmaceutical industry.  
b) Explain the importance of Loss on ignition with suitable examples.
2. a) Give a note on haemodialysis fluids.  
b) Write the preparation, assay principle and uses of
  - i) Dibasic calcium phosphate.
  - ii) Calcium gluconate.
- 3 a) Explain the preparation , assay principal and uses of Calcium carbonate and Sodium acid Phosphate.  
b) Define and enlist adsorbants?
4. a) Define and enlist Haematinics.  
b) Give the method of preparation, assay principal and therapeutic uses of Ferric ammonium citrate.  
c) Explain how iodine extracted from kelp?
5. a) Define and classify inorganic expectorants.  
b) Explain the principle and procedure involved in the assay of ammonium chloride and Copper sulphate.
6. a) Explain the preparation and uses of the following
  - i) Yellow mercuric oxide.
  - ii) Zinc oxide.
  - iii) Boric acid.
  - iv) Bismuth subcarbonate.  
b) Write about the anti-infective role of iodine preparations.
7. a) Explain the pharmaceutical importance of dental products.  
b) Give a note on Mouth washes.  
c) Write the preparation, properties and pharmaceutical uses of
  - i) Sodium fluoride.
  - ii) Sodium meta phosphate.
8. a) Write a assay of plaster of paris and barium sulphate