

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM**  
(Deemed to be University)

**DIPLOMA IN PHARMACY EXAMINATION – October 2018**  
**First Year**

**PHARMACEUTICAL CHEMISTRY –I**

Time: Three hours

Maximum: 80 marks

Answer **Any EIGHT** questions only  
All questions carry equal marks  
Draw Neat, Labelled Diagram wherever necessary.

1. Explain the principles, reactions and procedure involved in the arsenic.
2. Define radioactivity? Explain the properties of alpha, beta and gamma rays.
3. Write the preparation and assay of following:  
(a) Boric acid (b) Magnesium sulphate
4. Discuss the preparation properties, assay storage and use of the official compound of iron.
5. Write preparation and use of following :  
(a) Iodine (b) aluminum hydroxide gel (c) Ammonium chloride  
(d) sodium nitrate
6. Write the identification test for following:  
(a) Sodium (b) Potassium (c) Chloride (d) Nitrate
7. Define the following with examples.  
(a) Antacid (b) Protective's antidote (c) Antidote (d) Antioxidants  
(e) Expectorants.
8. Write note on combination of oral electrolyte powder and solution
9. Write note on :  
(a) Potassium permanganate (b) Hydrogen peroxide
10. Write note on :  
(a) Mild silver Protein (b) Ammonium carbonate.

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