

[LG 805]

APRIL 2015

Sub. Code: 3805

**DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**  
**(2009-2010 Regulation)**

**FIRST YEAR**

**PAPER V – PHARMACEUTICAL INORGANIC CHEMISTRY**

*Q.P. Code: 383805*

**Time: Three Hours**

**Maximum: 70 marks**

**Answer All questions**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Explain the physiological role of iron and iodine with the related disease condition.
2. How will you classify antimicrobials?  
Write the mechanism of action and assay of boric acid and silver nitrate.
3. What are antidotes? How do they act during cyanide poisoning?  
Write the preparation and assay of sodium thiosulphate.
4. Write a note on oral rehydration salt and electrolyte combination therapy.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Explain about direct and indirect titrations involving potassium permanganate and iodine with any one example each.
2. Define the term sedative and expectorant.  
Write the preparation of potassium bromide and potassium citrate.
3. What are the compounds used under acid base therapy?  
Write the uses for any five compounds.
4. Write the physiological role of copper and sulphur.
5. Write a note on non aqueous titration and elaborate on the indicators used.
6. Explain Mohr's method and Volhard's methods of titrations.

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