

(LJ 4251)

AUGUST 2016

Sub Code: 4251

**B.PHARM. EXAMINATION
FIRST YEAR
PAPER I – PHARMACEUTICAL INORGANIC CHEMISTRY**

Q.P. Code: 564251

Time: Three hours

Maximum: 100 Marks

I. Essays:

(2 x 20 = 40)

1. a) What is an Antidote? Write the principle and procedure involved in the assay of sodium nitrite and sodium thiosulphate.
b) Write note on medical gases. Explain any one in detail.
2. a) Explain about Co-ordination compounds with suitable examples. Give the application of EDTA in pharmacy and analysis.
b) Explain the role of electrolytes in acid base balance.
c) Write the preparation, properties, identification tests and assay of compound sodium lactate injection.

II. Short notes:

(8 x 5 = 40)

1. Explain the principle involved in the limit test for sulphates and iron.
2. Define the terms with examples.
a) Antacid b) Astringent c) Laxative d) Anti septic (e) Disinfectant.
3. Give the method of preparation of milk of magnesia and its uses.
4. Write short note on silicone polymers.
5. Explain the method of preparation, identification test, and uses of calcium carbonate.
6. Define modern periodic table and write its merits and demerits.
7. What are the qualities of an ideal antacid?
8. Write notes on antimicrobials and mention the assay of Hydrogen peroxide.

III. Short answers:

(10 x 2 = 20)

1. Define Anti oxidant.
2. Define Valencies of elements.
3. What are respiratory stimulant? Give the uses of ammonium carbonate.
4. Write the structure of 1,10 - Phenanthridine and mention its use.
5. Write the composition of Ringer's solution.
6. Write the reactions involved in the assay of KBr.
7. List the official compounds of magnesium and give its uses.
8. Define Dentifrices with examples.
9. Write the method of preparation of activated dimethicone.
10. What are the medicinal uses of talc?
