

R09

Code: 9R01102

B.Pharm I Year (R09) Supplementary Examinations June 2017
PHARMACEUTICAL INORGANIC CHEMISTRY

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) With the help of a neat diagram, explain the theory and procedure of limit test for arsenic.
(b) Give the method of preparation, assay and uses of hydrogen peroxide.
- 2 (a) Give an account on the sources of impurities in pharmacopoeial products.
(b) Explain with examples:
(i) Astringents. (ii) Haematinics. (iii) Expectorants. (iv) Surgical aids.
- 3 Write short notes on:
(a) Systemic antacids.
(b) Dentifrices.
- 4 (a) Write the composition and uses of iodine solutions.
(b) What are antidotes? Mention the role of sodium thiosulphate.
- 5 (a) Discuss the principle behind the assay of:
(i) Ferrous sulphate. (ii) Copper sulphate.
(b) Write the chemical formula and uses of
(i) Calamine. (ii) Zinc undecylenate. (iii) Tartar emetic. (iv) Magnesium trisilicate.
(c) What is an anti-thyroid agent?
- 6 Briefly explain on:
(a) Laxatives.
(b) Topical agents.
- 7 (a) Explain the principle involved in the limit test for:
(i) Heavy metals. (ii) Sulphate.
(b) Elaborate the qualitative tests for anxious.
- 8 (a) What are calcium replenishers? Explain with examples. Add a note on calcium gluconate.
(b) Write the chemical formulas, method of preparation and uses of:
(i) Boric acid. (ii) Ferric ammonium citrate.
