Seat No.:	Enrolment No
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Subject code: 210003

GUJARAT TECHNOLOGICAL UNIVERSITY BPHARM - SEMESTER - I • EXAMINATION - WINTER 2012

Subject Name: Pharmaceutical Chemistry-I Time: 02:30 pm - 05:30 pm**Total Marks: 80 Instructions:** 1. Attempt any five questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. 0.1 (a) Write a brief note on Indian Pharmacopoeia 06 (b) Give principle of limit test of Iron and lead 05 (c) Write a short note on Sources of Impurities 05 **Q.2** (a) Explain the terms with examples 06 (i) Sclerosing agents (ii) Sedative (iii) Emetics Define buffer capacity. Give brief account on hard and soft acid base concept. 05 (b) Write note on Respiratory stimulants and Expectorant 05 Q.3 Give ideal characteristic of antacids. Classify antacids with examples 06 (a) (b) Give Chemical formula, properties and use of Talc 05 (c) Give brief account on various diluents and preservatives used in Pharmaceutical 05 Industry **Q.4** Write in detail about different type of waters 06 (a) Define antidote. Give properties and preparation of Sodium Nitrite 05 (b) Give use and properties of Simethicone (c) 05 **Q.5** Write in brief about behavioral properties of different radiations 06 (a) Discuss about measurement of radioactivity (b) 05 Define Dentifrices. Give properties and use Sodium Fluoride 05 Q. 6 Define Astringents. Give preparation and Chemical formula of any two 06 (a) compounds. Give Chemical formula and use of Ferrous Sulphate 05 (b) Give use: (i) Ammonium Chloride (ii) Iodine (iii) Sodium bicarbonate 05 (iv) Calcium gluconate (v) Zinc oxide Q. 7 (a) Write detail note on cathartics 06 (b) Give chemical formula, preparation and use of common salt 05 (c) Write a brief note on chelating agents in therapy 05

Date: 11-01-2013