

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm - SEMESTER-VII • EXAMINATION – SUMMER-2018

Subject Code: 2270002**Date: 22/05/2018****Subject Name: Pharmaceutical Technology-I****Time: 02:30PM TO 05:30PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a) Classify oral solutions. Differentiate between syrups and elixirs.	06
	(b) Write on topical solutions.	05
	(c) Write on dental solutions <u>OR</u> collodions.	05
Q.2	(a) Give official types of injections.	06
	(b) Give routes of administration of injections.	05
	(c) Write on non aqueous vehicles used in parenterals.	05
Q.3	(a) Write on sterile water for injection and bacteriostatic water for injection.	06
	(b) What is sterilization by filtration? Explain.	05
	(c) Explain F and D values.	05
Q.4	(a) Write in general on the industrial preparation of parenterals.	06
	(b) Write in detail on containers and closures used for parenterals.	05
	(c) Differentiate large volume and small volume parenterals.	05
Q.5	(a) What are solubilizing agents? How do they help in making solutions?	06
	(b) Write on equipments used in manufacture of solutions.	05
	(c) Write on propellants used in aerosol manufacture.	05
Q. 6	(a) Write in brief on valves used in aerosols.	06
	(b) Write in brief on manufacture of suppositories.	05
	(c) Write in brief on testing of aerosols.	05
Q. 7	(a) Give floor plan for industrial sterile production area.	06
	(b) Write on quality control of injectables.	05
	(c) Give on bases used in ointment manufacture.	05
