Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

Subject Code: 270002

B. Pharm. – SEMESTER – VII • EXAMINATION – SUMMER • 2015

Date: 12-05-2015

	Ti	bject Name: Pharmaceutical Technology- I me: 02:30 pm - 05:30 pm Total Mark structions: 1. Attempt any five questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.	s: 80
Q.1	(a)	Comment: <i>Microemulsions are transparent</i> . Explain various methods of manufacturing of emulsion.	06
	(b)	Differentiate creaming and cracking of emulsion. Classify types of emulsifying agents with examples.	05
	(c)	Describe various types of stabilizers used in liquid dosage form.	05
Q.2	(a)	Comment: Vanishing cream is a water in oil type of emulsion. Describe evaluation parameters of cream.	06
	(b) (c)	Describe mechanisms of drug penetration through skin. Define displacement value. Describe its importance in suppository manufacturing.	05 05
Q.3	(a)	Comment: Auquesol is a biphasic system. Describe filling techniques of Aerosol.	06
	(b) (c)	Enlist evaluation tests of Aerosol. Describe performance tests for Aerosol. Describe packaging component of Aerosol.	05 05
Q.4	(a)	Comment: Large volume Parenterals are given by IM route. Describe various types of IV sets.	06
	(b) (c)	Describe various types of TPN with examples. Discuss preparation and storage of WFI.	05 05
Q.5	(a)	Comment: <i>SVP do not require preservative</i> . Explain environmental monitoring tests for aseptic area.	06
	(b) (c)	Explain how and why the LAL test is better than Rabbit test for pyrogen. Classify different types of glass as per USP. Describe Water attack test for glass.	05 05
Q. 6	(a)	Comment: <i>Oily injections are sterilized by dry heat sterilization method</i> . Describe various parenteral depot formulations.	06
	(b) (c)	Enlist ideal properties of eye drop. Describe eye ointment in brief. Describe in brief about Prefilled syringe.	05 05
Q.7	(a)	Comment: <i>Role of flavors and perfumes are same in liquid dosage form</i> . Describe theory of suspension.	06
	(b) (c)	Differentiate ointment and gel with suitable examples. Describe factors affecting on drug absorption from suppository.	05 05
