GUJARAT TECHNOLOGICAL UNIVERSITY B. Pharm. – SEMESTER – VII • EXAMINATION – WINTER • 2016

	Subje	Date: 19-11-2016 Total Marks: 80		
	Subject Name: Pharmaceutical Technology- I Time: 10:30 am - 01:30 pm			
	Instru	 ctions: Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 		
Q.1	(a) (b) (c)	Write a note on pyrogens and its testing. Give the different types of glass with their tests. Describe pre-filling treatment of parentral containers.		06 05 05
Q.2	(a) (b) (c)	Write a note on Emulsifying agents & Suspending agents. Write a short note on vehicles & solvents used in liquid dosage Outline manufacturing procedure of liquid orals.	forms.	06 05 05
Q.3	(a) (b) (c)	Define Aerosols. Give a brief account of propellants. How will you evaluate aerosols? Write pharmaceutical applications of aerosols.		06 05 05
Q.4	(a) (b) (c)	Differentiate creams, ointments and gels with their specific adv short note on suppository bases. Discuss the evaluation parameters for semisolid formulations. Explain mechanisms of drug penetration through skin.	antages. Write a	06 05 05
Q.5	(a) (b) (c)	Discuss pharmaceutical testing of aerosols. Enlist components of aerosol. Explain propellants in detail. Describe quality control tests for parenterals.		06 05 05
Q. 6	(a) (b) (c)	Discuss the factors affecting drug release from semisolids. What is significance of HLB value? Classify emulsifying agent Differentiate S.V.P and L.V.P.		06 05 05
Q.7	(a) (b) (c)	Comment: Ophthalmic product should be used within one month the cap. Write in brief on formulation of ophthalmic dosage for Write a short note on W.F.I. Enumerate evaluating parameters of emulsions.		06 05 05
