Seat N	No.: _	Enrolment No		
		GUJARAT TECHNOLOGICAL UNIVERSITY		
Ch:	00 t /	M. Pharm. – SEMESTER – III • EXAMINATION – WINTER 2013		
Subject Code: 930107 Subject Name: Pharmaceutical and Cosmetic A				
•		0.30 am - 01.30 pm Total Marks: 80		
Instru		≛		
	2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b) (c)	How we stabilize drugs against chemical degradation. Write different parameters for physical stability testing of tablets and capsules. Write note on overview on stability of liposomes and nano particles.	0	
Q.2	(a) (b) (c)	Write a note on solid state decomposition of pure drugs with suitable examples. Describe photolysis of drug with examples. Describe stability testing of disperse system.	0	
Q.3	(a) (b) (c)	Write note on microbial decomposition. Write note on hydrolysis of different classes of pharmaceutical drugs. Write a note on factors affecting extraction of drugs from biological samples.	0	
Q.4	(a) (b)	What is LLE? Discuss it and its application. Discuss methods of analysis to determine the quality of raw materials used in cosmetic analysis.		
	(c)	Discuss BIS standard for sampling and testing of various cosmetics.	(
Q.5	(a) (b) (c)	Describe identification and quantitative determination of preservatives. Write quantitative and qualitative analysis of antioxidants. Write a note on analysis of skin care products.		
Q. 6	(a) (b) (c)	What are different dental products? Write evaluation test for dental products Describe method of analysis of shampoo? Describe method of analysis for personnel hygine products.		
Q.7	(a) (b)	Describe toxicity testing in cosmetics. Classify colouring materials with examples. Discuss importance and method of analysis of colorants.	0	
	(c)	Write note on evaluation and quality control test for nail products.	(
