GUJARAT TECHNOLOGICAL UNIVERSITY M. PHARM. - SEMESTER – II • EXAMINATION – WINTER 2012

Subject Name: Modern Pharmaceutical Analysis				Date: 10-01-2013	
				Total Marks: 80	
Instr	 Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 				
Q.1		(a) (b)	Elaborate upon Sterility testing of Parenteral dosag Discuss bioburden testing of parenteral products.	e forms.	08 08
Q.2		(a)	Enlist various physicochemical characterization techniques for the analysis of solid oral dosage form. Explain any one in detail.		08
		(b)	Elaborate on "Tryptic maping" and "Ion exchange techniques.		08
Q.3		(a)	What is cosmetic? Discuss various method of analy formulations.	vsis of cosmetic	08
		(b) (c)	Give a brief account on regulatory requirements of Enlist the various analytical techniques used for pre-		04 04
Q.4		(a)	Enlist and discuss in brief ICH guidelines in Pharm	aceutical	08
		(b)	analysis. Explain the importance of preformulation study. De Pharmaceutical and Mechanical properties in prefo study.		08
Q.5		(a)	Elaborate upon various radiochemical methods in a	analysis of	08
		(b)	pharmaceuticals. Explain in detail the concept of Automated analysis	S.	08
Q. 6		(a)	Explain WHO guidelines and policy for Quality co	ntrol methods for	08
		(b)	medicinal plant materials. Discuss compendial testing of API.		08
Q.7		(a)	Enlist the properties associated with the molecular and the bulk level as regards "Solid state analysis" Explain in detail the properties associated with the	of drug substances.	08
		(b)	Give a brief account on Isolation and identification	-	08
