GUJARAT TECHNOLOGICAL UNIVERSITY B.Ph. / M. Ph. / D.Ph. - SEMESTER-II • EXAMINATION – WINTER-2016

•		Code: 420001 Date: 20/10/2016	
Tim Instru 1	e:02: uction . Att . Ma	Name: Pharmaceutics-II 30PM TO 05:30 PM Total Marks: 80 s: empt any five questions. ke suitable assumptions wherever necessary. ures to the right indicate full marks.	
			06
Q.1	(a)	Define Prescription. Discuss various operational aspects of compounding prescription.	06
	(b) (c)	What is incompatibility? Discuss in detail about Physical incompatibilities. Discuss in brief about factors affecting drug's action in humans.	05 05
Q.2	(a)	Comment on the following recipes:	06
		1. Rx1. White Beeswax10 g2. Liquid Paraffin30 g3. Borax0.5 g4. Rose water9.5 g	
	(b)	 2. Rx 1. Sodium Salicylate 5 g 2. Lemon Syrup 20 ml 3. Purified water to 75 ml Differentiate between following: 	05
	(b)	Differentiate between following:1. Ointments and pastes2. Flocculated and Deflocculated Suspensions	05
	(c)	Write short notes on: 1. Cachets 2. Effervescent granules	05
Q.3	(a)	Define solubility. Discuss in brief about various solubility enhancement techniques.	06
	(b) (c)	Discuss in detail about various identification tests of emulsions. Describe bases for preparation of pastes.	05 05
Q.4	(a) (b) (c)	Describe in detail about evaluation of ointments. Discuss glycerogelatin base for suppository preparation. Define Dusting powders. Describe types of Dusting Powders. Discuss in brief insufflations.	06 05 05
Q.5	(a) (b) (c)	Define isotonicity. Describe in detail various tonicity adjustment techniques. Give a brief account on vehicles for parenteral preparations. Discuss the formulation aspects of Shampoo.	06 05 05
Q. 6	(a)	How do the electrokinetic properties of suspended particles help in formulation of suspension?	06
	(b) (c)	Describe ideal properties of ointment base. Classify the ointment bases. Discuss any one in brief. Discuss sterility testing of parenteral preparations.	05 05
	(\mathbf{U})	Discuss stermery using or parenteral preparations.	05

Q.7	(a)	Define eye drops. Discuss in brief about factors affecting formulation of eye	06
		drops.	
	(b)	Draw a labeled layout of parenteral production area.	05
	(c)	Write a short note on	05

Ophthalmic inserts.
 Cataplasms
