Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. - SEMESTER - IV • EXAMINATION - SUMMER 2013

Subject Code: 240001 Subject Name: Dispensing Pharmacy – I Time: 10.30 pm - 01.30 pm Total Marks: 8 Instructions:			
		0 pm - 01.30 pm Total Marks: 80	
Instr	1. At 2. M	tempt any five questions. ake suitable assumptions wherever necessary. gures to the right indicate full marks.	
Q.1	(a) (b) (c)	Define prescription and explain the parts of prescription in detail. Explain the sources of errors in prescription. Write a note on future trend in dispensing pharmacy.	06 05 05
Q.2	(a) (b)	Define posology. Discuss house hold measurement with name and its equivalents. Describe the factors influencing on the fixation of doses of drug.	06 05
	(c)	25 mg of ephedrine hydrochloride can be given to an adult. What will be the dose for (I) a child of 9 months and (II) a child of 8 years.	05
Q.3	(a)	 (a) Translate the following Latin to English: i. S.O.S. ii. Statim iii. E-lacte iv. Jentaculam v. Tussi urgente 	06
	(b)	Calculate the amount of 70%, 60%, 40% and 30% alcohol that should be mixed to get 120ml of 50% alcohol.	05
	(c)	Pot. Hypophosphate gr xx Sulfuric Acidfl.3. i Cinnamon waterq.sfl.0z. ii Calculate for50 ml	05
Q.4	(a)	Attempt the following comments with justification. i. Linctuses should be diluted before administration. ii. Expiry period of draught is one month. iii. As a manufacturing point of view elixir is more preferable than syrup	06
	(b) (c)	Differentiate liniment and lotion. Enumerate solutions meant for body cavity other than mouth and explain any one in detail.	05 05
Q.5	(a)	What is eutectic? When is it formed? What problems are associated with formation of a eutectic in powder formulation?	06
	(b)	Rx Arsenic Trioxidegr 1/10 Fiat: Pulvis Mitte: Novem Signa: Una Post cibos sumenda.	05
	(c)	Discuss the importance of each ingredient required for effervescent powder.	05

Q. 6	(a)	Attempt the following comments with justification.	06
		i. Soap emulsion always used for internal purpose.	
		ii. 'STB' labels prevent over and under dose.	
		iii. Mucilage of tragacanth is used as a suspending agent when vehicle is cinnamon water.	
	(b)	Describe the test for determination of type of emulsion.	05
	(c)	Differentiate flocculated and non flocculated suspension.	05
Q.7	(a)	Give the labeling instructions and containers for the following. i. Inhalation ii. Throat Paint iii. Enema	06
	(b)	List out the oral unit dosage form and explain any one in detail.	05
	(c)	Write a note on displacement value with example. ***********************************	05