Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. – SEMESTER – IV • EXAMINATION – WINTER • 2015

Subject Code: 240001 **Date: 29-12-2015**

Subject Name: Dispensing Pharmacy – I

Time: 02:30 pm - 05:30 pm **Total Marks: 80**

Instructions:

1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	(a)	What is Dispensing pharmacy? Write scopes of it.	**06**
	(b)	Define Prescription. Explain in brief various parts of typical prescription.	**05**
	(c)	Discuss the general procedure for the handling of prescription.	**05**
Q.2	(a)	Write the hazards encountered by the packaging materials.	**06**
	(b)	Give labeling requirements of the following dosage forms. 1. Liniment 2. Lozenges 3. Linctuses 4. Enema 5. Inhalations	**05**
	(c)	Convert: 1 gallon in ml, I scruple in to Grains, 1 LB in to grains, 10 fl oz in to ml.	**05**
Q.3	(a)	What is Posology? Write various methods for dose calculations.	**06**
	(b)	Describe factors affecting Dose.	**05**
	(c)	Write short note on Emulsion.	**05**
Q.4	(a)	Convert 90 %v/v & 40 % v/v Alcohol in to proof strength.	**06**
	(b)	Calculate the amount of NaCl required to make 200 ml of 1% procaine HCl solution isotonic with blood plasma. F.P. of 1% procaine HCl, 1% NaCl & Blood Plasma is -0.122ºC, -0.58ºC & -0.52ºC Respectively.	**05**
	(c)	A Pharmacist has a 70% solution & 15% solution of a drug. How many ml of each solution should be mix to make 480 ml of 30% solution?	**05**
Q.5	(a)	Classify powders. Brifly explain steps involved in its preparation.	**06**
	(b)	Enumerate the oral Unit Dosage forms. Write short note on tablet triturates.	**05**
	(c)	Write short note on Inhalations.	**05**
Q. 6	(a)	Differentiate: Diffusible and Indiffusible Mixtures	**06**
	(b)	Differentiate: Lotion and Liniments	**05**
	(c)	Differentiate: Linctuses and Elixirs	**05**
Q.7	(a)	Define Suppository. Discuss displacement value	**06**
	(b)	Write brief note on effervescent granules.	**05**
	(c)	Comment: Rx Liquorise calciferolis …..M ii Glycerini……..M v Aquam…….3 i Fiat: Emulsio, Mitte: 2 fl. oz	**05**

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