Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY B.PHARM.-SEMESTER-IV- EXAMINATION -SUMMER-2017

Subject code: 240001 Date: 26/04/2017

Subject Name: Dispensing Pharmacy I

Time: 02:30 PM to 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.
- What is Prescription? Discuss various parts of prescription by giving **Q.1** (a) 06 suitable example. Discuss various sources of error in prescription. (b) 05 Compare and contrast: (c) 05 (i) Syrups & Elixirs (ii) Liniments & Lotions **Q.2** Calculate the number of grains required to prepare 4 oz. of solution (a) 06 so that 1 tablespoonful diluted to 1 quart makes 1 in 500 solution. Comment On Following: (b) 05 (i) Syrup IP is Self-Preservative. (ii) Glycerin is used as a vehicle in Throatpaints.
 - (c) Give the labeling requirements for Emulsions, Inhalations, Cachets,
 Throat paints, Effervescent granules.

 (a) Give the labeling requirements for Emulsions, Inhalations, Cachets,
 Throat paints, Effervescent granules.
- Q.3 (a) Write a short note: Stability of Emulsions 06
 (b) Discuss various identification tests of emulsion. 05
 (c) Calculate the volume of each of 90%, 60%, 30% and water are required to Produce 500 ml of 50% alcohol.
- Q.4 (a) Comment on following: 06

R_x
Liquidi paraffini fl 3 ii ss
Olei ricini fl 3 ii ss
Syrupi fl 3 vii ss
Aquam...q.s..... fl 3 xxv

Fiat: Emulsio Mitte: fl oz. I Signa: Sumendum, hastus semel.

	(b)	Write a short note on various types of glass used in pharmaceutical packaging material.	05
	(c)	How many tablets each containing 8.75 gr of HgCl ₂ will be required to make ½ gallon of 1 in 500 solution.	05
Q.5	(a)	Discuss dispensing problems of following powders with their remedies: (i) Eutectic mixtures (ii) Efflorescent powders (iii) Hygroscopic and deliquescent powders	06
	(b)	Write a short note on Douches.	05
	(c)	Find out concentration of NaCl required to make 1.5% solution of Cocaine hydrochloride iso-osmotic with blood plasma. (Freezing point depression of (i) 1% w/v solution of Cocaine hydrochloride is: 0.09° C, (ii) 1% w/v solution of NaCl is: 0.576°C)	05
Q. 6	(a) (b)	Define: Posology. Explain various factors affecting dose of a drug. Explain in brief about displacement value in dispensing Tablet triturates.	06 05
	(c)	What is the dose of a medicament for child whose weight is 66 pound (lb.) (Adult Dose is: 2.5 mg/kg of body weight)	05
Q.7	(a)	Write a short note on followings: (i) Blister packaging (ii) Strip packaging	06
	(b)	Write a short note on Labelling of dispensed products.	05
	(c)	Describe dry gum method and wet gum method for preparation of emulsion.	05
