

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Semester- IV Examination June 2010

Subject code: 240001

Subject Name: Dispensing Pharmacy - I

Date: 17 / 06 / 2010

Time: 10.30 am – 01.30 pm

### Instructions:

Total Marks: 80

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

- Q.1** (a) Define Prescription. Discuss the different parts of the ideal prescription with examples **06**  
(b) Define Posology, Enumerate the factors affecting to the fixation of dosage. **05**  
(c) Give the labeling requirements of the following dispensed products. **05**  
Draughts, Emulsions, Effervescent granules, Lozenges, Cachets.
- Q.2** (a) Enumerate the oral unit dosage form. Write a note on tablet triturate. **06**  
(b) Find the concentration of dextrose needed to make a solution isotonic with blood plasma. **05**  
(c) What quantity of 20 % v/v, 70 % v/v, 90% v/v, of alcohol and water shall be mixed to get 700ml of 55% v/v of alcohol? **05**
- Q.3** (a) Discuss the packaging & storage of dispensed product. **06**  
(b) Enumerate the several steps are involved in the dispensing procedure. **05**  
(c) Comment on: **05**  
Rx  
Liquorice calciferolis ..... m ii  
Glycerini..... m v  
Aquam ..... 3i  
Fiat: emulsio, mitte: 2 fl. oz
- Q.4** (a) Define Creaming. Discuss the factor affecting the rate of creaming of an emulsion. **06**  
(b) Convert: 3ss, ℥ii into grains; 1 gallon, 1 fl.oz, 1 pint into milliliter. **05**  
(c) How many tablets each containing 8.75 gr of potassium permanganate will be required to make half a gallon of a 1 in 500 solution? **05**
- Q.5** (a) How to dispense the powder containing explosive ingredients and eutectic mixture. **06**  
(b) Differentiate between diffusible & indiffusible mixtures. **05**  
(c) Describe the dry gum and wet gum methods for emulsification. **05**
- Q.6** (a) Differentiate between syrup & elixir. **06**  
(b) Give advantages & disadvantages of mixtures. **05**

(c) Comment on: **05**  
Rx  
Hyoscin Hydrobromidi ..... gr  $\frac{1}{150}$   
Fiat: Pulvis, Mitte: duodecim, sign: unus bis in die sumendum

- Q.7** (a) Write a note on Emulgents. **06**  
(b) Write a note on Inhalations. **05**  
(c) Write a note on Dusting Powder. **05**  
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