

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

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

# GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Sem-IV Remedial Examination Nov/Dec. 2010

Subject code: 240001

Subject Name: Dispensing Pharmacy - I

Date: 29 / 11 / 2010

Time: 02.30 pm – 05.30 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 Posology. Discuss in brief the factors which influence Dose. **06**  
(b) Describe various methods of calculating doses for children & infants. **05**  
(c) Calculate the dose for a child of 5 years by different methods available. The adult dose is 100 mg. **05**
- Q.2** (a) Define prescription. Explain in brief various parts of typical prescription. **06**  
(b) Discuss prescription procedure by the Pharmacist. **05**  
(c) Describe pricing, filing & delivering prescription to the patient. **05**
- Q.3** (a) What is the difference between 'Mixture' and 'Draught'? What are Diffusible and In-diffusible Mixtures? How they are formulated & dispensed? **06**  
(b) How will you dispense following emulsions? **05**  
(i) Emulsion containing 5% oil phase of total volume.  
(ii) Emulsion containing fixed oil and volatile oil together.  
(c) Discuss in brief dispensing of soap emulsions with suitable examples. **05**
- Q.4** (a) Calculate number of grains required to make 8 OZ so that 2 teaspoonseuls diluted to aquart will make 1 in 5000 solution. **06**  
(b) Dispense 10% w/v, 20 lit. Glucose solution. **05**  
(c) 70% v/v alcohol and 15% v/v alcohol are available. we ant to make 500 ml of 30% v/v alcohol. Calculate by following the Alligation method. **05**
- Q.5** (a) Discuss formulations of Inhalations and Throat paints. How they are used. **06**  
(b) Describe various household measures with their Imperial and Metric Equivalent. **05**  
(c) Syrup I.P. is 66.7% w/w sucrose in water. Its sp.gr. is 1.3. Express this in Equivalent % w/v. **05**
- Q. 6** (a) We want to prepare 5lit. of eye- drops containing 1.5% w/v of drug. The F.P.D. for 1% w/v of drug is 0.2. How many grams of Sodium Chloride must be added to make this eye-drops isotonic. **06**  
(b) Explain in brief Elixirs, Douches, Linctuses and Liniments. **05**  
(c) Classify powders. Briefly explain the steps involved in its Preparation. **05**
- Q.7** (a) Calculate the following. **06**  
(i) An elixir contains 42% v/v alcohol. What is the proof –spirit?  
(ii) Convert 90% v/v and 40% v/v alcohol into proof-strength (degrees)  
(b) Write a note on effervescent Powders. **05**  
(c) Discuss in brief Displacement value in Dispensing Tablet Triturates. **05**

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