

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – IV • EXAMINATION – WINTER • 2014

Subject Code: 240001

Date: 18-12-2014

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) Define Prescription. Explain the Various Parts of Prescription. **06**
(b) Discuss the Prescription Procedure by the Pharmacist. **05**
(c) How much amount of each of 90%, 60%, 30% V/V and water will be require to prepare 3 gallon of 40% V/V alcohol. **05**
- Q.2** (a) What is Primary emulsion? Give the procedure for its preparation. **06**
(b) Define Posology. Write in brief the factors affecting dose fixation. **05**
(c) Write the formula for calculating the child dose on the basis of surface area. **05**
- Q.3** (a) Discuss on Packaging and storage of Dispense Product. **06**
(b) Give the Labeling requirements for the following dispensed products. **05**
1) Emulsion 2) Mixture 3) Effervescent Granules 4) Lozenges
5) Liniment
(c) Describe the Dry Gum and Wet Gum methods for emulsion. **05**
- Q.4** (a) Classify Powders. Explain in Brief the steps involved in its preparation. **06**
(b) Convert 80% V/V and 50 % alcohol into Proof Strength (Degrees). **05**
(c) How many ml of water should be mixed with 30gm of 40% sulfuric acid and 50 gm of 60% sulfuric acid to make 10% acid? **05**
- Q.5** (a) Give the difference between following. **06**
1) Mixture and Draught 2) Diffusible and Indiffusible mixture
(b) How many gm of solid is required to prepare 480 ml of a 1 in 750 solution? **05**
(c) How many liters of 8% solution can be made from 500 gm of solid? **05**
- Q. 6** (a) How will you prepare the primary emulsion for fixed oil, Mineral oil and volatile oil? **06**
(b) Write a note on effervescent powder. **05**
(c) Write in brief about the Displacement Value in Dispensing Tablet Triturate **05**
- Q.7** (a) How many Parts of 80%, 65%, 32% and 20% alcohols are to be mixed together so as to give 40% alcohol? **06**
(b) How much of 3% ointment must be added to 50 gm of a 15 % ointment to make 10% ointment? **05**
(c) Find out gm of drug are needed to make 4 lit. of 1 in 500 solution. **05**
