

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – IV • EXAMINATION – SUMMER 2013

Subject Code: 240001**Date: 10-05-2013****Subject Name: Dispensing Pharmacy – I****Time: 10.30 pm - 01.30 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 and explain the parts of prescription in detail. **06**
 (b) Explain the sources of errors in prescription. **05**
 (c) Write a note on future trend in dispensing pharmacy. **05**
- Q.2** (a) Define posology. Discuss house hold measurement with name and its equivalents. **06**
 (b) Describe the factors influencing on the fixation of doses of drug. **05**
 (c) 25 mg of ephedrine hydrochloride can be given to an adult. What will be the dose for **05**
 (I) a child of 9 months and (II) a child of 8 years.
- Q.3** (a) (a) Translate the following Latin to English: **06**
 i. S.O.S.
 ii. Statim
 iii. E-lacte
 iv. Jentaculam
 v. Tussi urgente
 (b) Calculate the amount of 70%, 60%, 40% and 30% alcohol that should be mixed to get 120ml of 50% alcohol. **05**
 (c) Rx **05**
 Pot. Hypophosphate ----- gr xx
 Sulfuric Acid-----fl.3. i
 Cinnamon water---q.s. -----fl.0z. ii
 Calculate for-----50 ml
- Q.4** (a) Attempt the following comments with justification. **06**
 i. Linctuses should be diluted before administration.
 ii. Expiry period of draught is one month.
 iii. As a manufacturing point of view elixir is more preferable than syrup
 (b) Differentiate liniment and lotion. **05**
 (c) Enumerate solutions meant for body cavity other than mouth and explain any one in detail. **05**
- Q.5** (a) What is eutectic? When is it formed? What problems are associated with formation of a eutectic in powder formulation? **06**
 (b) Rx **05**
 Arsenic Trioxide-----gr 1/10
 Fiat: Pulvis Mitte: Novem
 Signa: Una Post cibos sumenda.
 (c) Discuss the importance of each ingredient required for effervescent powder. **05**

- Q. 6** (a) Attempt the following comments with justification. **06**
i. Soap emulsion always used for internal purpose.
ii. 'STB' labels prevent over and under dose.
iii. Mucilage of tragacanth is used as a suspending agent when vehicle is cinnamon water.
- (b) Describe the test for determination of type of emulsion. **05**
(c) Differentiate flocculated and non flocculated suspension. **05**
- Q.7** (a) Give the labeling instructions and containers for the following. **06**
i. Inhalation
ii. Throat Paint
iii. Enema
- (b) List out the oral unit dosage form and explain any one in detail. **05**
(c) Write a note on displacement value with example. **05**
