

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA PHARMACY - SEMESTER-II • EXAMINATION-SUMMER • 2014

Subject Code: 420001**Date: 19-05-2014****Subject Name: Pharmaceutics -II****Time: 10:30 am - 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) Describe various Tests for Identification of the type of Emulsion **06**
 (b) Write a note on Evaluation of Suspension **05**
 (c) Differentiate Flocculated and Deflocculated Suspension Systems **05**
- Q.2** (a) Define Suppositories. Mention Ideal requirements of Suppository Base **06**
 (b) Write a note on Displacement Value OR HLB Value **05**
 (c) Calculate the amount of Cocoabutter required to prepare 12 Suppositories each containing 300 mg of Boric Acid. Mold Capacity is 2.0 gm. Displacement Value of Boric Acid is 0.9 **05**
- Q.3** (a) Define and Classify Parenteral Dosage Forms. Enumerate various Routes of Injection **06**
 (b) Discuss various Formula Ingredients used in Injection preparation with suitable examples. **05**
 (c) Write a note on Sterility Testing **05**
- Q.4** (a) Classify Incompatibilities in brief. Suggest ways of Correction of Incompatibilities. **08**
 (b) Comment on following recipes... **08**
- | | |
|---|--|
| a. Rx
Phenol 0.5 gm
Menthol 0.1 gm
Tragacanth 0.5 gm
Olive Oil 50 ml
Lime Water to make 100 ml | b. Rx
Quinine Sulphate 1.5 gm
Dil. Sulphuric Acid 3.5 ml
Potassium iodide 8 gm
Water to make 200 ml |
|---|--|
- Q.5** (a) Classify and differentiate various Semisolid Dosage Forms **06**
 (b) Write a detailed note on Method of Preparation of Ointment by Chemical reaction with suitable example **05**
 (c) Write a brief note on Dusting Powder OR Effervescent Powder **05**
- Q. 6** (a) How Pediatric Doses are calculated? **06**
 (b) Enumerate various Factors affecting Fixation of Dose. Discuss any TWO of them in detail **05**
 (c) Write a note on Parts of Prescription **05**
- Q.7** (a) Discuss various Types of Mixures. **06**
 (b) Write a note on Oriented-Wedge Theory of Emulsification **05**
 (c) Write a note on Shampoo OR Dentifrices **05**
