

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

**Subject Code: 2230001****Date: 18-12-2014****Subject Name: Dispensing Pharmacy-I and Drug Store Management****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.

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|-------------|--|-----------|
| <b>Q.1</b>  | (a) Define prescription and discuss the parts of prescription.   | <b>06</b> |
|             | (b) Role of pharmacist in patient counseling.  | <b>05</b> |
|             | (c) Discuss general dispensing procedure.  | <b>05</b> |
| <b>Q.2</b>  | (a) Give the labelling requirements of Emulsion, Eye drop, Liniment  | <b>06</b> |
|             | (b) Define: Posology, Enema, Inhalation, Suspension, Gargles   | <b>05</b> |
|             | (c) Discuss factors affecting dose calculations  | <b>05</b> |
| <b>Q.3</b>  | (a) An ampoule contains 4 mg drug/ml. What volume of solution is required to prepare 1 L of solution that contains 2 µg/ml.  | <b>06</b> |
|             | (b) Differentiate: lotion and liniment.  | <b>05</b> |
|             | (c) Translate the following terms into English: Jentaculum, Cochleare amplum, Guttae, S.O.S., Omnihora.  | <b>05</b> |
| <b>Q.4</b>  | (a) What quantity of 20 % v/v, 70 % v/v, 90% v/v of alcohol and water shall be mixed to get 700 ml of 55% v/v of alcohol?  | <b>06</b> |
|             | (b) Describe various household measures with their Imperial and Metric Equivalents.  | <b>05</b> |
|             | (c) Calculate the amount of NaCl required to make 100 ml of an 2.5 % w/v antibiotic solution isotonic with blood plasma. Freezing point depression of (i) 1 % w/v antibiotic solution is - 0.132, (ii) 1 % w/v NaCl solution is - 0.58 and (iii) blood plasma is - 0.52. | <b>05</b> |
| <b>Q.5</b>  | (a) Explain various tests for the determination of emulsion type.  | <b>06</b> |
|             | (b) Differentiate flocculated and non flocculated suspension.  | <b>05</b> |
|             | (c) Write a note on instability of Dispersion system.  | <b>05</b> |
| <b>Q. 6</b> | (a) Enlist oral unit dosage form and explain any one in detail.  | <b>06</b> |
|             | (b) Write a note on effervescent Powders.  | <b>05</b> |
|             | (c) Explain in detail about displacement value for moulded solid dosage forms.   | <b>05</b> |
| <b>Q. 7</b> | (a) Discuss organization and structure of whole sale drug store.   | <b>06</b> |
|             | (b) Discuss storage conditions for various pharmaceutical formulations.  | <b>05</b> |
|             | (c) Explain in detail about inventory control.   | <b>05</b> |

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