

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER- 3 EXAMINATION – WINTER -2019**

**Subject Code: 2230001****Date: 15-11-2019****Subject Name: Dispensing Pharmacy I and Drug Store Management****Time: 10:30AM TO 01:30PM****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) Enumerate & explain the various parts of prescription with example.   | <b>06</b> |
|            | (b) Explain the term “Dispensing”. Write note on its scope of Pharmacy in India.  | <b>05</b> |
|            | (c) Discuss general dispensing procedure.   | <b>05</b> |
| <b>Q.2</b> | (a) Give a brief note on source of errors in prescription and its handling.   | <b>06</b> |
|            | (b) Define Posology. Discuss the factors affecting dose calculation.  | <b>05</b> |
|            | (c) Define Displacement value. Discuss in detail with suitable example.   | <b>05</b> |
| <b>Q.3</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) Calculate the amount of Boric acid required to make 1 % Cocaine Hydrochloride solution, isotonic with lachrymal secretion. Freezing point due to 1 % Cocaine Hydrochloride is -0.090 °C & freezing point due to 1 % Boric acid is -0.29 °C. | <b>05</b> |
|            | (c) Explain different methods for pediatric dose calculation.   | <b>05</b> |
| <b>Q.4</b> | (a) Explain the following terms and enumerate marketed product of: 1) Draughts 2) Linctuses 3) Elixirs 4) Gargles 5) Enemas   | <b>06</b> |
|            | (b) Write a note on stability of emulsions.   | <b>05</b> |
|            | (c) Define powders. Give advantages and disadvantages of powder. Explain dusting powders in detail.   | <b>05</b> |
| <b>Q.5</b> | (a) Classify Solid dosage forms. Explain Effervescent Powders in detail.  | <b>06</b> |
|            | (b) Differentiate between<br>1) Liniments and lotion 2) Syrup and Elixirs   | <b>05</b> |
|            | (c) Discuss different methods for preparation of Emulsion with suitable example.  | <b>05</b> |
| <b>Q.6</b> | (a) Write in detail about purchase procedure in Pharmaceutical industry.  | <b>06</b> |
|            | (b) Explain the importance of inventory control. Discuss EOQ analysis method.   | <b>05</b> |
|            | (c) Explain the role of Quality control of drugs in context to drug store and hospital.   | <b>05</b> |
| <b>Q.7</b> | (a) Write a brief note on dispensing of proprietary products.   | <b>06</b> |
|            | (b) Explain organization and structure of retail and whole sale drug store.   | <b>05</b> |
|            | (c) Discuss contact lens solution in detail with its application.   | <b>05</b> |

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