

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B. Pharm. - SEMESTER-III • EXAMINATION – SUMMER-2016**

**Subject Code:2230001**

**Date: 04/05/2016**

**Subject Name: Dispensing Pharmacy-I and Drug Store Management**

**Time: 2:30 PM to 5:30 PM**

**Total Marks: 80**

**Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

|             |                                                                                                                                                                                          |           |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>Q.1</b>  | <b>(a)</b> Define Pharmacy. Explain various scope of pharmacy profession in market                                                                                                       | <b>06</b> |
|             | <b>(b)</b> Define the term prescription. Discus in detail various parts of prescription                                                                                                  | <b>05</b> |
|             | <b>(c)</b> Discus in detail sources of error in prescription                                                                                                                             | <b>05</b> |
| <b>Q.2</b>  | <b>(a)</b> Define posology. Explain various formula used for calculating the dose for children                                                                                           | <b>06</b> |
|             | <b>(b)</b> Define container. Classify the container and discus good qualities of container                                                                                               | <b>05</b> |
|             | <b>(c)</b> Write special labeling instruction for the following dosage form<br>(1) Eye lotion (2) Eye drops (3) Enemas (4) Enteric coated tablet<br>(5) Aerosol inhalations              | <b>05</b> |
| <b>Q.3</b>  | <b>(a)</b> Define and explain in detail isotonic solution                                                                                                                                | <b>06</b> |
|             | <b>(b)</b> A sample cinchona powder containing 8 % alkaloids has to be made-up from three lots powders containing 3 %, 6 % and 10 % alkaloids, in what proportion should these be mixed? | <b>05</b> |
|             | <b>(c)</b> Define displacement value. Explain in detail displacement value for molded dosage form                                                                                        | <b>05</b> |
| <b>Q.4</b>  | <b>(a)</b> Define mixture. Classifiy the mixture. Explain in detail mixture contain indifusible solides with suitable example                                                            | <b>06</b> |
|             | <b>(b)</b> Define the following term emulsion, liniments and lotion. Write down about an identification test of emulsion.                                                                | <b>05</b> |
|             | <b>(c)</b> Write a note on stability of emulsions.                                                                                                                                       | <b>05</b> |
| <b>Q.5</b>  | <b>(a)</b> Define powders. Give advantages and disadvantages of powder. Explain dusting powders in detail.                                                                               | <b>06</b> |
|             | <b>(b)</b> Define and explain eye drops in detail.                                                                                                                                       | <b>05</b> |
|             | <b>(c)</b> Explain in detail tablet triturates.                                                                                                                                          | <b>05</b> |
| <b>Q. 6</b> | <b>(a)</b> What is the meaning of inventory control? Explain in detail ABC analysis method and EOQ method                                                                                | <b>06</b> |
|             | <b>(b)</b> Define purchasing. Explain objectives and principles involve in purchasing.                                                                                                   | <b>05</b> |
|             | <b>(c)</b> Explain in detail quality control of drug in hospital                                                                                                                         | <b>05</b> |
| <b>Q.7</b>  | <b>(a)</b> Discus in detail design of drug store                                                                                                                                         | <b>06</b> |
|             | <b>(b)</b> Explain the maintenance of drug store in detail                                                                                                                               | <b>05</b> |
|             | <b>(c)</b> Write a note on dispensing of proprietary products                                                                                                                            | <b>05</b> |

\*\*\*\*\*