

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**PHARM.D – YEAR -1- EXAMINATION –WINTER - 2018**

**Subject Code:818802**

**Date: 22/11/2018**

**Subject Name: Pharmaceutics**

**Time:10.30 A.M. TO 1.30 P.M.**

**Total Marks: 70**

**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 powders, gives its merits and demerits. Explain Tooth Powder.                     | <b>06</b> |
|             | (b) Write a note on stability of emulsion.   | <b>04</b> |
|             | (c) What is pharmacopoeia? Give history of development of Indian Pharmacopoeia.              | <b>04</b> |
| <b>Q.2</b>  | (a) Define prescription and write a note on parts of prescription.                           | <b>06</b> |
|             | (b) Discuss method of preparation of Effervescent powder.                                    | <b>04</b> |
|             | (c) Explain chemical incompatibility due to precipitation by chemical reaction.              | <b>04</b> |
| <b>Q.3</b>  | (a) Define Posology. Explain various formula used for calculating the dose for Children.     | <b>06</b> |
|             | (b) Differentiate between liniment and lotion.   | <b>04</b> |
|             | (c) Enlist various advantages and disadvantages of suspension.                               | <b>04</b> |
| <b>Q.4</b>  | (a) What are the problems encountered during manufacturing and dispensing of Eutectic powder | <b>06</b> |
|             | (b) Differentiate between percolation and maceration.  | <b>04</b> |
|             | (c) Enlist advantages and disadvantages of suppositories.                                    | <b>04</b> |
| <b>Q.5</b>  | (a) Define Incompatibility. Enumerate various types of Physical Incompatibility              | <b>06</b> |
|             | (b) Differentiate between mouthwashes and gargles.   | <b>04</b> |
|             | (c) Write a note on Displacement value giving suitable example.                              | <b>04</b> |
| <b>Q. 6</b> | (a) Write a brief note on evaluation of suspension.  | <b>06</b> |
|             | (b) Define and classify Monophasic liquid dosage form  | <b>04</b> |
|             | (c) Discuss in details about enemas and collodions.  | <b>04</b> |
| <b>Q.7</b>  | (a) Explain various identification tests for emulsion.                                       | <b>06</b> |
|             | (b) Write a note on excipients used in liquid dosage form.                                   | <b>04</b> |
|             | (c) Define the term sutures, ligatures, sponge and surgical dressings.                       | <b>04</b> |

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