

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 1 EXAMINATION – SUMMER -2019

Subject Code: BP103TP**Date: 01-06-2019****Subject Name: Pharmaceutics I****Time: 10:30 AM TO 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) Give the classification of dosage forms with definitions. **06**
(b) What are the various parts of prescription? **05**
(c) Write a note on 'Pharmacy as a carrier'. **05**
- Q.2** (a) What is posology? Discuss the pediatric dose calculations based on age and body weight. **06**
(b) Discuss the imperial systems for weight and measures. **05**
(c) Explain with examples: effervescent and efflorescent powders? **05**
- Q.3** (a) Discuss the Geometric dilutions in powders and explain eutectic mixtures. **06**
(b) What are the merits and demerits of liquid dosage forms? **05**
(c) Describe the calculation for isotonic solutions based on freezing point. **05**
- Q.4** (a) Write a note on physical incompatibility with examples. **06**
(b) Discuss the method of preparation for lotion and liniments. **05**
(c) Give the application site for followings: pessaries, enema, elixirs, gargles, throat paints. **05**
- Q.5** (a) Give a note on 'displacement value' considered in preparation of suppository. **06**
(b) Give the labeling requirements of enema, nasal drops, liniments, ointments and suppository. **05**
(c) How flocculated and deflocculated suspensions have been prepared? **05**
- Q.6** (a) Explain in brief: method of preparation of emulsion. **06**
(b) Discuss the method of preparation of ointments. **05**
(c) Differentiate between suspension and emulsion with examples. **05**
- Q.7** (a) Explain the mechanisms of dermal penetration of drugs. **06**
(b) Discuss the excipients used in semisolid dosage forms. **05**
(c) Discuss the chemical incompatibility with suitable examples. **05**
