

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 1- EXAMINATION – WINTER - 2018

Subject Code: BP103TP

Date: 05/01/2019

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) Define the prescription. Discuss in detail parts of prescription. **06**
(b) Explain various scope of pharmacy. **05**
(c) Define pharmacopoeias. Discuss about IP. **05**
- Q.2** (a) Define Posology. Explain various factors affecting on Posology. **06**
(b) Write down various methods used for calculating the dose for children and infant **05**
(c) Find out the parts of 80% and 30% alcohol to supply 500ml of 50% alcohol. **05**
- Q.3** (a) Define powder. Classify it and write its merits and demerits. **06**
(b) Define following terms (1) Dusting powder (2) effervescent powder (3) hygroscopic powder (4) efflorescent Powder (5) eutectic mixture. **05**
(c) Write a note on solubility enhancement techniques. **05**
- Q.4** (a) Describe in detail Liniment and Lotions. **06**
(b) Define suspension. Give its advantages and disadvantages. **05**
(c) Write a difference between flocculated and deflocculated suspension. **05**
- Q.5** (a) Define emulsion. Write its type. Explain various identification methods. **06**
(b) Enlist the methods used to prepared emulsion. Explain any one in detail. **05**
(c) Discuss in detail stability problems of emulsion and describe the methods to overcome it. **05**
- Q. 6** (a) Define suppositories. Enlist type of suppositories. Writes its advantages and disadvantages. **06**
(b) Write a short note on suppositories base. **05**
(c) Define and classify the pharmaceutical incompatibility. Explain physical incompatibility. **05**
- Q.7** (a) Write a note on ointment base. **06**
(b) Discuss in detail “jellies” one of the best promising semisolid dosage form. **05**
(c) Explain the different evaluation parameters of semisolid dosage forms. **05**
