

Seat No.: _____

Enrolment No. _____

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

Subject Code: BP103TP
Subject Name: Pharmaceutics I
Time: 10:30 AM TO 01:30 PM

Date: 05/01/2019
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
