

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.**

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|-------------|--|-----------|
| 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 |
