

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM-SEMESTER-I EXAMINATION – WINTER -2019

Subject Code: BP103TP
Subject Name: Pharmaceutics-I

Date: 01/01/2020

Time: 10:30AM TO 01:30PM

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 prescription. Discuss the parts of prescription with drawing ideal prescription. **06**
- (b) Discuss Scope and Potential of Pharmacy as Career. **05**
- (c) Write in detail about handling of prescription by Registered Pharmacist. **05**
- Q.2** (a) Classify Solid, liquid and semisolid dosage forms in detail. **06**
- (b) Define posology. Discuss factors affecting doses. **05**
- (c) Calculate and suggest: (i) Calculate the quantity of sodium chloride required to prepare 700 ml of a 0.9% solution? (ii) Find the strength of 85% v/v alcohol in terms of proof spirit. **05**
- Q.3** (a) Differentiate the following: (i) Syrup I.P and Syrup U.S.P. **06**
(ii) Lotion and liniment.
- (b) Comments: (i) Syrup required preservative. **05**
(ii) Suspending agent is required in Indiffusible mixture.
- (c) Write a note on dusting powders. **05**
- Q.4** (a) Discuss the labeling requirement for elixir, linctuses and eye drops. **06**
- (b) Write a note on effervescent powder. **05**
- (c) Comments: (i) Collapsible tubes are more preferred than glass jar for creams. **05**
(ii) Gels and gellies are not required preservatives.
- Q.5** (a) Classify ointment base and discuss any one in detail. Classify methods to prepare ointment. **06**
- (b) Write a note on flocculated and deflocculated suspension. **05**
- (c) How many millilitres of a 1:20 v/v solution of a drug can be prepared from 100 ml of 6% v/v solution. **05**
- Q.6** (a) Write a note on Chemical type of incompatibility with suitable examples. **06**
- (b) Discuss suppository bases with examples. **05**
- (c) Write a note on Nasal drops and Ear drops. **05**
- Q.7** (a) Define emulsion. Discuss the different types of emulsion? Enlist the identification tests for emulsion. **06**
- (b) Write a note on Gargles and mouthwashes. **05**
- (c) Define suppository. Discuss methods to prepare suppositories. **05**