

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VIII • EXAMINATION – SUMMER • 2014

Subject Code: 280002

Date: 21-05-2014

Subject Name: Pharmaceutical Technology- II

Time: 10:30 am - 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 Tablets. Give a brief account of processing problems and its remedies for tablets. **06**
- (b) Write in details about colon drug delivery tablets and its evaluation. **05**
- (c) Enumerate specialized coating processes. **05**
- Q.2** (a) Define Capsules. Write the quality control tests on Hard Gelatin Capsules. **06**
- (b) Explain the various techniques used in the preparation of microspheres. **05**
- (c) Mention the applications of different polymers used in microcapsules / microspheres. **05**
- Q.3** (a) Write short note on any two of the followings: **06**
i) Shampoo. ii) Toothpaste. iii) Lipstick.
- (b) What do you understand by Cosmeceuticals. Give the examples. **05**
- (c) Briefly discuss the various baby care products. **05**
- Q.4** (a) What is packaging. Write its components and types. **06**
- (b) Outline the packaging materials used for containers and closures. **05**
- (c) Explain the regulatory requirements in pharmaceutical packaging. **05**
- Q.5** (a) Briefly discuss the Good Manufacturing Practice for Pharmaceuticals. **06**
- (b) Explain the validation techniques used in tablet manufacturing. **05**
- (c) Write a short note on Standard Operating Procedure. **05**
- Q.6** (a) Outline the process of manufacturing gelatin which is used in capsule. **06**
- (b) Illustrate the matrix tablets preparation and its evaluation. **05**
- (c) Write in detail about the hygienic products used under cosmetics. **05**
- Q.7** (a) Comment: **06**
i) Plastic containers are more preferable than Glass containers in Large Volume Parenterals.
ii) Mannitol as diluents used extensively in chewable tablets.
iii) Blooming and covering agents is added in face powder.
- (b) Discuss the various in-process Quality Control tests on tablets. **05**
- (c) Justify: Documentation is an essential part in GMP. **05**
