

GUJARAT TECHNOLOGICAL UNIVERSITY
D. Pharm. – SEMESTER – II • EXAMINATION – WINTER • 2014

Subject Code: 420001**Date: 20-12-2014****Subject Name: Pharmaceutics - 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 prescription? Discuss parts of prescription. Write a general dispensing procedure for prescription. **06**
- (b) Define and Classify incompatibilities. Write the causes of therapeutic incompatibility. **05**
- (c) Define posology. Explain the various methods for calculating dose of drugs. **05**
- Q.2** (a) Define & classify monophasic dosage forms. Write a note on elixir. **06**
- (b) Define emulsion. Classify types of emulsion and emulsifying agents. **05**
- (c) Define suspension. Discuss in brief the formulation of suspension. **05**
- Q.3** (a) Differentiate between: **06**
- (i) Flocculated and Deflocculated suspension.
- (ii) Lotion and Liniments.
- (b) Describe in detail the evaluation tests for emulsion. **05**
- (c) Briefly discuss about Herapath reaction. **05**
- Q.4** (a) Comments: **06**
- (i) Creams are more preferred to pack in collapsible tubes.
- (ii) Syrup is self preservative.
- (iii) Glycerogelatin suppositories during its preparation heated for one hour at 100°C.
- (b) Differentiate following: **05**
- (i) Paste and Jellies.
- (ii) Gargles and mouthwashes.
- (c) Define suppository. Classify the suppository bases. **05**
- Q.5** (a) Give the ideal properties of suppository base. Discuss in brief the methods of preparation of suppositories. **06**
- (b) Classify the ointment bases with their advantages and disadvantages. **05**
- (c) Discuss formulation ingredients of shampoo. **05**
- Q. 6** (a) Classify the powders and write in detail about effervescent powders. **06**
- (b) Enlist different polishing agents used in dentifrices and discuss tooth paste. **05**
- (c) Enlist different evaluation tests for parenterals and explain in detail sterility testing of parenterals. **05**
- Q.7** (a) Discuss the general requirements for parenterals. **06**
- (b) Comment on followings: **05**
- i) Preservatives incorporated in ophthalmic drops.
- ii) Cocoa butter should not be overheated during preparation of suppositories.
- (c) Give the formulation, labelling and packaging requirement of eye drops. **05**
