

GUJARAT TECHNOLOGICAL UNIVERSITY
Diploma Pharmacy - 2nd Year Examination – OCTOBER 2012

Subject code: 420001**Date: 23-10-2012****Subject Name: Pharmaceutics-II****Time: 2:30 pm – 5:30 pm****Total Marks: 80****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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| Q.1 | (a) Briefly discuss different parts of prescription. Discuss general dispensing procedure for Prescription. | 06 |
| | (b) Classifies and define each type of incompatibility with one example. | 06 |
| | (c) Define posology. Explain the various factors affecting dose of drugs | 04 |
| Q.2 | (a) Define Emulsion. Discuss the methods for the identification of types of Emulsion. | 06 |
| | (b) Discuss evaluation of suspensions. | 06 |
| | (c) Differentiate: Flocculated and Deflocculated suspension | 04 |
| Q.3 | (a) Define ointment. Discuss various methods of preparation of ointments. | 06 |
| | (b) Define suppository. Discuss in detail various suppository bases used in preparation of suppository. | 06 |
| | (c) Differentiate: Paste and Jellies | 04 |
| Q.4 | (a) Differentiate:
(i) Lotion and Liniments
(ii) Gargles and Mouthwashes | 06 |
| | (b) Discuss formulation and storage of elixirs. | 06 |
| | (c) Define & classify monophasic dosage forms. | 04 |
| Q.5 | Discuss any Three of the following:
(a) Effervescent granules.
(b) Dentifrices.
(c) Instability in emulsion.
(d) General requirements for parenteral dosage forms. | 16 |
| Q.6 | (a) Discuss advantage and disadvantages of parenteral dosage forms. | 06 |
| | (b) Discuss pyrogen testing and sterility testing. | 06 |
| | (c) Write a note on the preparation, packaging and labeling of Eye ointment. | 04 |
| Q.7 | Discuss any Three of the following:
(a) Eutectic mixtures
(b) Herapath reaction
(c) Organoleptic additives
(d) Shampoo | 16 |
