

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM – SEMESTER – VIII • EXAMINATION – WINTER – 2015

Subject Code: 280002

Date: 07/12/2015

Subject Name: Pharmaceutical Technology - II

Time: 2.30 PM to 5.30 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 their types. Explain methods of tablet granulation. **06**
(b) Give quality properties of compressed tablets. Write on their advantages and disadvantages. **05**
(c) Describe tablet presses. Write in brief on technical problems during tableting. **05**
- Q.2** (a) Write on any two: 1) binders 2) disintegrants 3) lubricants **06**
(b) Write on properties and formulation of mouth dissolving tablet or an effervescent tablet. **05**
(c) Enumerate tablet testing. Write on test for dissolution of tablets. **05**
- Q.3** (a) Write on 1) materials for film coating 2) stages in sugar coating **06**
(b) Write on types and operations involved in filling of drugs using capsule filling machine. **05**
(c) Give a rationale for the selection of soft gelatin dosage form. Give a procedure of preparation of microspheres. **05**
- Q.4** (a) Give types of packaging material. Write on important packaging materials evolved over time in pharmacy. **06**
(b) Show how a packaging protects pharmaceuticals against all types of hazards **05**
(c) Write on any one 1) films, foils and laminates 2) functions of a closure 3) quality control of packaging. **05**
- Q.5** (a) Define cosmetics write on their functions show important considerations to be observed during their manufacture as per D&C Act. **06**
(b) Write a brief note on any one 1) Toothpowder 2) Lipsticks **05**
(c) Differentiate between vanishing cream and cold cream. **05**
- Q. 6** (a) Define any two 1) In-process control 2) Master formula 3) Standard operating procedure. **06**
(b) Write on any one 1) Pharmaceutical quality system 2) Product quality review **05**
(c) Write in brief on any one 1) Good practices in production 2) Batch processing records. **05**
- Q.7** (a) Write on Process Validation. **06**
(b) Write in brief on Quality risk management. **05**
(c) Give responsibilities of head of production. **05**
