

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 8- EXAMINATION –WINTER - 2018

Subject Code: 280002**Date: 17/11/2018****Subject Name: Pharmaceutical Technology- II****Time: 02:30 PM TO 05:30 PM****Total Marks: 80****Instructions:**

- 1. Attempt any five questions.**
- 2. Make Suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

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| Q.1 | (a) Write a note on compression technologies for tablet. | 06 |
| | (b) Discuss blister and strip package. | 05 |
| | (c) Classify types of coating and write their objective. | 05 |
| Q.2 | (a) Discuss problems in tablet processing and their remedies. | 06 |
| | (b) Explain powdered glass test and water attack test for glass. | 05 |
| | (c) Discuss production of hard gelatin capsule. | 05 |
| Q.3 | (a) Discuss premises facility as per GMP. | 06 |
| | (b) Which are the suitable drug characteristics for microcapsules? | 05 |
| | (c) Classify cosmetics based on their use. | 05 |
| Q.4 | (a) Write a note on tablet dissolution testing as per IP. | 06 |
| | (b) Discuss structure of skin. | 05 |
| | (c) Which are the evaluation parameters for sunscreen and shampoo? | 05 |
| Q.5 | (a) Discuss in-process quality controls for tablet and capsule. | 06 |
| | (b) Write a note on temper evident packaging. | 05 |
| | (c) What is standard operating procedure (SOP)? | 05 |
| Q. 6 | (a) Describe methods of capsule filling. | 06 |
| | (b) Give detailed note on hygienic cosmetic products. | 05 |
| | (c) Enlist mechanisms of disintegration. Discuss any two. | 05 |
| Q.7 | (a) Enumerate microcapsule preparation methods. Explain any one. | 06 |
| | (b) Discuss use of biodegradable and non-biodegradable polymers in microspheres. | 05 |
| | (c) Differentiate between vanishing and cold cream. | 05 |
