

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

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