

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm - SEMESTER-VIII EXAMINATION – SUMMER 2017

Subject Code: 280002

Date: 29/04/2017

Subject Name: Pharmaceutical Technology-II

Time: 10:30 AM to 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.**

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|-------------|---|-----------|
| Q.1 | (a) Write note on in-process quality control test of tablet Mfg | 06 |
| | (b) Explain GMP with special ref. to personnel. | 05 |
| | (c) Give the difference between wet granulation and dry granulation | 05 |
| Q.2 | (a) Discuss the processing problems of tablets with remedies | 06 |
| | (b) Write a note on excipients and additives used in the capsule formulation | 05 |
| | (c) Classify cosmetics and write a short note on vanishing cream | 05 |
| Q.3 | (a) Explain the method of manufacturing and evaluation of floating tablets. | 06 |
| | (b) What is SOP? Explain SOP requirements in processing and packaging operation | 05 |
| | (c) Discuss the premises facility requirements as per GMP. | 05 |
| Q.4 | (a) Explain the classification of tablet tooling | 06 |
| | (b) Describe biodegradable and non-biodegradable polymers used in microcapsules | 05 |
| | (c) Explain quality control tests of hard and soft gelatin capsules | 05 |
| Q.5 | (a) Explain the term microsphere and give its importance | 06 |
| | (b) Give advantage and disadvantages of hard gelatin capsules | 05 |
| | (c) Discuss sugar coating in detail | 05 |
| Q. 6 | (a) Give the formulation and evaluation of dentifrice | 06 |
| | (b) Discuss regulatory requirements in pharmaceutical packaging | 05 |
| | (c) What is tamper evident package? Describe blister package. | 05 |
| Q.7 | (a) Discuss the evaluation parameters for mouth dissolving tablet | 06 |
| | (b) What is documentation? Describe batch manufacturing records | 05 |
| | (c) Write a brief note on shaving cream | 05 |
