

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.**

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
