

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER-VIII EXAMINATION – WINTER -2020

Subject Code: 2280002**Date: 04/01/2021****Subject Name: Pharmaceutical Technology-II****Time: 02:00PM TO 04:00PM****Total Marks: 54****Instructions:**

1. Attempt any **THREE** questions from Q-1 to Q-6.
2. **Q.7** is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

Q.1	(a) Define tablets. Give types of tablets. Give in details about formulation of tablets	06
	(b) Write in brief on granulation techniques	05
	(c) What are excipients? Write on binders	05
Q.2	(a) Give names of machineries used in large scale production of tablets. What is compaction and compression	06
	(b) Write on disintegrants	05
	(c) Discuss processing problems of tablets and their remedies	05
Q.3	(a) Write on evaluation tests of tablets prescribed by the pharmacopeia	06
	(b) Give types of coating. Give in brief on film forming materials	05
	(c) Write on coating process equipments used and coating defects	05
Q.4	(a) Give advantages and disadvantages of hard gelatin capsule dosage forms	06
	(b) Write on size of capsules, capsule filling and quality controls	05
	(c) What is climatic control during capsule processing in capsule department how are capsules stored?	05
Q.5	(a) Write short note on i) Soft gelatin capsules ii) Microspheres	06
	(b) Give any one method of preparation of microcapsule	05
	(c) Write on biodegradable and non biodegradable polymers	05
Q. 6	(a) What is extrusion. Write on types of extrusion	06
	(b) Give in details equipments used in extrusion and pelletization	05
	(c) Write on use of MCC in pelletization	05
Q.7	(a) Write on supercritical fluids and their applications in pharmacy	06
	OR	
	(a) What are inclusion complexes. Give examples of the same	06
	OR	
	(a) Discuss preparation of solid dispersions	06
