

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 8 EXAMINATION – SUMMER-2024

Subject Code:2280002**Date: 01/05/2024****Subject Name: Pharmaceutical Technology II****Time: 10.30 a.m. to 1.30 p.m.****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 about different types of tablets.	06
	(b) Explain about Directly compressible diluents.	05
	(c) Discuss IPQC parameters of tablet.	05
Q.2	(a) Explain different approach for floating drug delivery system.	06
	(b) Write about film forming polymer.	05
	(c) Discuss defects in coating of tablets.	05
Q.3	(a) Discuss about production of Hard capsules shell.	06
	(b) Write capsule storage, size of capsules.	05
	(c) Write a note on method of manufacturing soft gelatin capsule.	05
Q.4	(a) Explain in details about coacervation phase separation.	06
	(b) Brief about biodegradable and non-biodegradable polymer.	05
	(c) What is Pelletization? Discuss factors affecting pellet properties.	05
Q.5	(a) Explain problem and remedies in capsules.	06
	(b) Explain evaluation of microcapsules.	05
	(c) Write a note on use and care of the tablet tooling.	05
Q. 6	(a) Write a note on supercritical fluids.	06
	(b) Explain about equipments for SCF processing.	05
	(c) Discuss pharmaceutical applications of supercritical fluids	05
Q.7	(a) Write a note on different types of packaging material.	06
	(b) Write in detail about regulatory requirements in pharmaceutical packaging.	05
	(c) Discuss about tamper-evident packaging.	05
