

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. - SEMESTER-8 • EXAMINATION – SUMMER -2018

Subject Code: 2280002

Date: 30/04/2018

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.

Q.1	(a) Define and Classify Tablet. Write a note on soluble Tablets.	06
	(b) Describe excipients of tablets with give at least two brand name of each.	05
	(c) Write a short note on compression and consolidation	05
Q.2	(a) Write a note on tablet tooling.	06
	(b) Explain in details about evaluation of tablets	05
	(c) What are types of tablet coating? Write a note on equipment for coating of tablets.	05
Q.3	(a) Differentiate terms microcapsule and Microspheres. Discuss in details on coacervation phase phenomena.	06
	(b) Write a short note on characterization of microspheres.	05
	(c) Compare hard gelatin capsules with soft gelatin capsules.	05
Q.4	(a) Explain size of capsules and write a note on problem and remedies in capsules	06
	(b) Write application of extrusion in Pharmacy.	05
	(c) Explain extrusion and pelletization and describe equipment used for it.	05
Q.5	(a) What are the role of polyethylene oxide, Eudragit and MCC in extrusion and pelletization?	06
	(b) Define super critical fluid and discuss its pharmaceutical application.	05
	(c) Write note on techniques of SCF and one equipment for SCF processing.	05
Q. 6	(a) Differentiate Primary and secondary packaging with suitable examples.	06
	(b) Write a note on regulatory requirements in pharma packaging.	05
	(c) Discuss about packaging materials and equipments.	05
Q.7	(a) What are objectives of enteric coating? Describe polymers used for enteric coating.	06
	(b) Write a note on ready to use pellets available in market.	05
	(c) Describe biodegradable and non-biodegradable polymers used in microcapsules	05
