

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 6 EXAMINATION – WINTER -2024

Subject Code: BP605TP**Date: 29-11-2024****Subject Name: Industrial Pharmacy I****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) Define the terms. 1) Parenteral 2) Aerosol 3) Bloom Strength 4) BCS 5) Pyrogen 6) Tablet	06
	(b) Describe Instability in emulsion with remedy.	05
	(c) Explain in brief: Quality control tests for capsules.	05
Q.2	(a) Discuss in detail: Propellants in Aerosol.	06
	(b) Write a note on rotary die process.	05
	(c) Explain in brief: Size and Shape of capsules.	05
Q.3	(a) Describe evaluation tests for sulphacetamide eye drops.	06
	(b) Write a note on formulation 1) shampoo and 2) hair dye.	05
	(c) Discuss in detail: Organoleptic additives for liquid orals.	05
Q.4	(a) Enlist official and unofficial tests for tablet evaluation. Explain any three in detail.	06
	(b) Elaborate powder glass and water attack test.	05
	(c) Describe materials used for packaging of pharmaceuticals.	05
Q.5	(a) Discuss extrusion and pelletization for pharmaceuticals.	06
	(b) Write a note : Slugging(Dry granulation) and its applications.	05
	(c) Describe Defects and Remedies: Coating	05
Q. 6	(a) Describe role of polymorphism and crystallinity in preformulation.	06
	(b) Discuss non gelatinous capsule shells.	05
	(c) Discuss clean room classification. Draw a layout of aseptic processing facility.	05
Q.7	(a) Explain oxidation-reduction and Hydrolysis in preformulation.	06
	(b) Classify tablets with examples.	05
	(c) Draw a well labelled diagram: Components of aerosol container.	05
