Instructions:

GUJARAT TECHNOLOGICAL UNIVERSITY B.PHARM SEMESTER-VI- EXAMINATION – SUMMER 2022 Subject code: BP605TP Date:13/

Date:13/06/2022

Subject Name: Industrial Pharmacy-I Time: 10:30AM TO 01:30PM

Total Marks: 80

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 preformulation consideration of liquid dosage forms.	06
	(b)	Discuss oxidation and racemisation in preformulation.	05
	(c)	What is BCS? Classify it and write its significance.	05
Q.2	(a)	Discuss Pharmacopoeial tests for tablet in brief.	06
	(b)	Describe the granulation methods for preparation of tablets.	05
	(c)	Explain working principle of roller compactor with labelled diagram.	05
Q.3	(a) (b) (c)	Differentiate: 1. Suspension & Emulsion 2. Syrup & Elixir Describe the coating defects in tablet and give its remedies. Explain the quality control test for capsule.	06 05 05
Q.4	(a)	Enumerate the size of capsules. Explain the formulation process of hard gelatin capsules.	06
	(b)	What is Pelletization? Enumerate the various pelletization techniques and explain any one	05
	(c)	Explain the stability aspect of soft gelatin capsule and give its application.	05
Q.5	(a)	Explain the sources of pyrogens in parenterals. Discuss LAL test.	06
	(b)	Give a note on eye drops and write the labeling of ophthalmic preparations.	05
	(c)	Discuss the quality control tests of parenteral products.	05
Q. 6	(a) (b) (c)	Define preformulation and discuss the significance of particle size and shape in formulation. Give a brief note on large volume parenterals. What are the quality control tests for pharmaceutical packaging?	06 05 05
Q. 7	(a) (b) (c)	Differentiate: 1. Cold cream & Vanishing cream 2. Blister packaging and Strip packaging Give brief note on formulation, preparation and evaluation of Tooth paste. Explain the parts of Aerosol.	06 05 05
