## **GUJARAT TECHNOLOGICAL UNIVERSITY** B.PHARM SEMESTER-VI- EXAMINATION – WINTER 2022

Subject code: BP605TP

Subject Name: Industrial Pharmacy-I

Time: 02:30pm to 05:30pm

## **Total Marks: 80**

Date: 02/01/2023

Instructions:

- 1. Attempt any five questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	(a) (b)	What is Tablet? Classify it and explain wet granulation method. Define preformulation. Discuss the significance of particle size and shape in formulation.	06 05
	(c)	Explain the quality control test for capsule.	05
Q.2	(a) (b) (c)	Discuss the defects observed in tablet and its remedies. Explain the stability aspect of soft gelatin capsule and give its application. What is Pelletization? Enumerate the various pelletization techniques and explain any one.	06 05 05
Q.3	(a) (b) (c)	Describe In process quality control tests for sterile products. Define Aerosols. Give a brief account of propellant and its selection. Discuss the role of polymorphism and crystallinity in preformulation.	06 05 05
Q.4	(a) (b) (c)	Write a note on the formulation, containers and labeling of eye drops. Explain the evaluation parameters of liquid oral officials in pharmacopoeia. Enumerate the size of capsules. Explain the formulation process of hard gelatin capsules.	06 05 05
Q.5	(a) (b) (c)	Give brief note on formulation, preparation and evaluation of shampoo. Describe the coating defects in tablet. Define BCS? Classify it and write its significance.	06 05 05
Q. 6	(a) (b) (c)	Explain the instability of emulsion. Give a brief note on lyophilization process. Write a brief note on stability aspects of packing.	06 05 05
Q. 7	(a)	Give difference between 1. Hard gelatin capsules and Soft gelatin capsules. 2. Blister packaging and Strip packaging.	06
	<b>(b</b> )	Give difference between 1. Suspension and Emulsion. 2. Cold cream and Vanishing cream.	05
	(c)	Write a note on preformulation consideration of solid dosage forms.	05

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