

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM SEMESTER-VI- EXAMINATION – SUMMER 2022

Subject code: BP605TP**Date:13/06/2022****Subject Name: Industrial Pharmacy-I****Time: 10:30AM TO 01:30PM****Total Marks: 80****Instructions:**

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

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| 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) Differentiate: 1. Suspension & Emulsion
2. Syrup & Elixir | 06 |
| | (b) Describe the coating defects in tablet and give its remedies. | 05 |
| | (c) Explain the quality control test for capsule. | 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) Define preformulation and discuss the significance of particle size and shape in formulation. | 06 |
| | (b) Give a brief note on large volume parenterals. | 05 |
| | (c) What are the quality control tests for pharmaceutical packaging? | 05 |
| Q. 7 | (a) Differentiate: 1. Cold cream & Vanishing cream
2. Blister packaging and Strip packaging | 06 |
| | (b) Give brief note on formulation, preparation and evaluation of Tooth paste. | 05 |
| | (c) Explain the parts of Aerosol. | 05 |
