

C.U.SHAH UNIVERSITY

Summer Examination-2022

Subject Name: Industrial Pharmacy I - Theory

Subject Code:BP502T

Branch: B.Pharm.

Semester: 5

Date: 22/04/2022

Time: 11:00 To 02:00

Marks: 75

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
-

| | | |
|--------------|--|-------------|
| Q-I | Define the following: | (20) |
| | 1. Polymerization | 02 |
| | 2. Sticking | 02 |
| | 3. Lamination | 02 |
| | 4. Orange peel effect | 02 |
| | 5. Bloom strength | 02 |
| | 6. Buffer | 02 |
| | 7. Metered dose inhaler | 02 |
| | 8. Child resistant packaging | 02 |
| | 9. Large volume parenteral | 02 |
| | 10. Thickening agents | 02 |
| Q-II | Long Answer (Answer 2 out of 3) | (20) |
| | 1. Discuss various Quality control tests for the tablets. | 10 |
| | 2. What is preformulation? Explain the role of polymorphism and crystallinity in preformulation. | 10 |
| | 3. Explain the process of making hard gelatin capsule shell with diagram. | 10 |
| Q-III | Short Answer (Answer 7 out of 9) | (35) |
| | 1. Discuss properties of API to be considered before designing its dosage form. | 5 |
| | 2. Explain compression cycle for a rotary tablet press. | 5 |
| | 3. Discuss the steps of sugar coating process. | 5 |
| | 4. Describe the types of gelatin used in manufacturing of capsule. | 5 |
| | 5. Explain Spheronizer with diagram for manufacture of pellets. | 5 |
| | 6. Write a note on excipients used in manufacturing of liquid orals. | 5 |
| | 7. Explain pyrogen test for parenteral products. | 5 |
| | 8. Give formulation and preparation of the lipsticks. | 5 |
| | 9. Write a note on containers for ophthalmic preparation. | 5 |

