

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2021

Subject Name: Industrial Pharmacy I - Theory

Subject Code: BP502T

Branch: B.Pharm

Semester: 5

Date: 20/12/2021

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.

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- Q-I Briefly explain the following terms: (20)**
1. Lamination 02
 2. Polymerization 02
 3. Eye drop 02
 4. Cold cream 02
 5. Sunscreen 02
 6. Orange peel effect 02
 7. Buffer 02
 8. Hydrolysis 02
 9. Meter dose inhaler 02
 10. Child resistance packaging 02
- Q-II Explain any two of the following: (20)**
1. Define Preformulation? Explain the physicochemical properties related to solubility analysis in Preformulation. 10
 2. Explain freeze drying or Lyophilization with the help of neat labeled diagram. 10
 3. Discuss in detail Wet granulation method for manufacturing of tablets. 10
- Q-III Write in short on any seven of the following: (35)**
1. Describe the compression cycle of a rotary tablet press. 05
 2. Explain the steps involved in manufacturing of sugar coated tablets. 05
 3. Describe the role of polymorphism and crystallinity in Preformulation. 05
 4. Write difference between hard gelatin capsules and soft gelatin capsules. 05
 5. Explain the various additives used during the manufacturing of liquid orals. 05
 6. Write a note on spheronizer with the help of diagram. 05
 7. Describe Pyrogen test for parenteral products. 05
 8. Name the different methods of manufacturing of aerosol. Explain any one in detail. 05
 9. Write the formulation and preparation of Lipsticks. 05

