

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Winter Examination-2022

**Subject Name: Pharmaceutical Technology I****Subject Code: 4PS07PTE1****Branch: B.Pharm****Semester: 7****Date: 21/11/2022****Time: 11:00 To 02:00****Marks: 70**

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-1 Attempt the following questions: (14)**
1. HEPA Filter 1
  2. Parenteral Nutrients 1
  3. Tamper Proof Packaging 1
  4. Sun Screen 1
  5. GAS 1
  6. Enlist and classify Clean Room 1
  7. Pyrogen Test 1
  8. Displacement Value 1
  9. Formulation of Shampoo 1
  10. SCF 1
  11. Inclusion Complex 1
  12. Nail Polish 1
  13. Cosmeceuticals 1
  14. Isotonicity 1
- Attempt any four questions from Q-2 to Q-8**
- Q-2 Attempt all questions (14)**
- a. Elaborate RESS (7)
  - b. Write a Note on Lipstick. (7)
- Q-3 Attempt all questions (14)**
- a. Write a note on Ophthalmic Preparation. (7)
  - b. Enlist various manufacturing methods for aerosol and explain any one in detail. (7)
- Q-4 Attempt all questions (14)**
- a. Evaluation of clear liquid dosage forms. Define liquid dosage forms and types of liquid dosage forms. (7)
  - b. Note on Suppositories and its evaluation in detail. (7)
- Q-5 Attempt all questions (14)**
- a. Explain design of aseptic area/laminar air flow. (7)
  - b. Define and explain Nano-suspension and freeze dried products. (7)
- Q-6 Attempt all questions (14)**
- a. Note on anti-aging and anti-wrinkle preparation. (7)



- Q-7**
- b. Note on semisolid base and their selection criteria. (7)
- Attempt all questions** (14)
- a. Define sterile dosage form. Write its ideal requirement and short note on WFI. (7)
  - b. Write a note on Prefilled syringe and its evaluation. (7)
- Q-8**
- Attempt all questions** (14)
- a. Pharmaceutical application of SCF. (7)
  - b. Write a note on Propellant and evaluation test for pharmaceutical aerosol. (7)
- Pharmaceutical application of aerosol.

