

C.U.SHAH UNIVERSITY

Summer-2015

Subject Code: 4PS02PIP1 **Subject Name: Pharmaceutical Industrial Process-I**

Course Name: B.Pharm

Date: 18/5/2015

Semester:II

Marks:70

Time:10:30 TO 01:30

Instructions:

- 1) Attempt all Questions in same answer book/Supplementary.
- 2) Use of Programmable calculator & any other electronic instrument prohibited.
- 3) Instructions written on main answer book are strictly to be obeyed.
- 4) Draw neat diagrams & figures (if necessary) at right places.
- 5) Assume suitable & perfect data if needed.

Q.1 Attempt the following (14)

1. Define Filter Aid and give its example.
2. Define Polymorphism.
3. Note on Geometric Mixing.
4. Differentiate Infusion and Decoction.
4. Enumerate the methods of Size Reduction.
5. Define Centrifugation.
6. Explain Principle of Triple Roller Mill.
7. Give Objectives of Size Separation.

Attempt any four from Q-2 to Q-8.**Q.2 Attempt the following (14)**

- a) Write a note on Ball Mill
- b) Write a note on factors influencing size reduction.

Q.3 Attempt the following (14)

- a) Write a note on Methods of screening.
- b) Write a note on Pharmacopoeial standards for screening.

Q.4 Attempt the following (14)

- a) Write a note on Colloid Mill.
- b) Write a note on Planetary Mixer.

Q.5 Attempt the following (14)

- a) Write a note on Crystal Habit.
- b) Write a note on Swenson walker.

Q.6 Attempt the following (14)

- a) Explain solvents used for extraction.
- b) Explain Soxhlet Extractor.

Q.7 Attempt the following (14)

- a) Define Filtration. Write a note on Filter Press.
- b) Write a note on Rotary Filter.

Q.8 Attempt the following (14)

- a) Explain the Principle of centrifugation.
- b) Write a note on Chemical Hazards and its precautions.

