

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation
'Pharmaceutical Chemistry' Semester - IV
END TERM Examination May, 2017
Subject: Pharmaceutics- Unit operation (PC 414)

Time: 2 hrs

Date: 04/05/2017

Maximum marks: 50

Q.1 Answer any 9 questions. Each question carries 1 mark (9*1=9Marks)

1. Define Size Separation.
 1. 2. Match of the following

Mechanism	Particle size (μm)
A) Cutting	1-50
B) Compression	100-80,000
C) Attrition	50-10000
2. True or False: Cyclone Separator work by centrifugation method.
3. Define Crystallization.
4. _____ mill are work on Impact mechanism.
5. What is Super Saturation?
6. Define: Mixing
7. Give the example of Positive Mixture.
8. True or False: Iodine has orthorhombic crystal form.
9. Enlist mode of Size Reduction.
10. Disintegrator reduces particle size up to _____. (50-800, 1-50)

Q. 2 Answer any 5 questions. Each question carries 4 marks (5*4=20 Marks)

1. Brief on Colloidal mill.
2. Write a note on type of mixture.
3. Brief on crystal cooling crystallizer..
4. Write a factors affecting Size Reduction Method.
5. Write a difference between propeller mixer & turbine mixer.
6. write a Objective of Mixing.

Q.3 Answer any 3 question. The question carries 07 marks (3*7=21 Marks)

1. Write a note on Liquid mixer.
2. Write a note on Sieve method.
3. Write a note on Fluid energy mill.
4. Classify crystal forms.