

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation
'Pharmaceutical Chemistry' Semester - IV
END TERM Examination April, 2019
Subject: Pharmaceutics- Unit operation (PC 414)

Time: 2 hrs

Date: 29/04/2019

Maximum marks: 50

Q.1 Answer any 9 questions. Each question carries 1 mark

(9*1=9Marks)

1. Define Define Mixing.
2. True / false : Sieve Shaker Method is used for Size Reduction,
3. _____ mill are work on Jet mechanism.
4. What is Crystallization?
5. True /False: Ointment is Neutral mixture.
6. Define: Mixing
7. _____ example of Positive Mixture.(Sugar in Water, Paste)
8. _____ is example of cubic Crystal form. (Diamond, NaCl)

9 Match of the following

Size separation method	Diameter(μm)
A) By Sieving	2-50
B) By Cyclone separator	5-1000
C) By gravitation Sedimentation	5-10000

10. Write uses of Jet mill.

Q. 2 Answer any 5 questions. Each question carries 4 marks

(5*4=20 Marks)

1. Write about Hammer mill,
2. Write Steps for crystallization?
3. Short note on Colloidal mill.
4. Write a Mode Of Size Reduction.
5. Explain propeller mixer or turbine mixer.
6. Write type & Significance of Mixing

Q.3 Answer any 3 question. The question carries 07 marks

(3*7=21 Marks)

1. Write about principle, construction, working & use of Ball mill.
2. Give classification Crystallization.
3. Short note on Mier's Solubility Curve.
4. Give classification of Mixer.

Q. 4 Answer any 5 questions. Each question carries 4 marks

1. Write about Hammer mill,
2. Write Steps for crystallization?
3. Short note on Colloidal mill.
4. Write a Mode Of Size Reduction.
5. Explain propeller mixer or turbine mixer.

Q.5 Answer any 3 question. The question carries 07 marks

1. Write about principle, construction, working & use of Ball mill.
2. Give classification Crystallization.
3. Short note on Mier's Solubility Curve.
4. Give classification of Mixer.