

UKA TARSADIA UNIVERSITY  
B. Pharm. Semester - II  
MID-SEMESTER EXAM-1 (WEEKLY TEST)  
UNIT OPERATION (30020201)

Date: 11/03/2013

Enrollment NO. \_\_\_\_\_

Total Marks: 20

**Q1: Answer the following: (Any four)**

**[4]**

1. Explain: Hausner's ratio.
2. Define: Size separation in pharmacy.
3. Differentiate between compression and attrition in size reduction.
4. Explain neutral mixture with suitable example in mixing.
5. Write formula to calculate Bulk density and Carr's Index.

**Q2: Answer the following: (Any three)**

**[6]**

1. Comment: Stickiness of material affects the size reduction process.
2. Define angle of repose and enlist methods to determine angle of repose.
3. Describe standards of powders as per B.P.
4. Explain importance of powder flow in tablet manufacturing.

**Q3: Answer the following: (Any two)**

**[10]**

1. Pharmacopoeial standards of sieve.
2. Explain factors affecting flow through an orifice in hopper.
3. Write a note on mechanisms of liquid mixing.