

MALIBA PHARMACY COLLEGE
Uka Tarsadia University
MID SEMESTER EXAM - 1 (March 2013) B. Pharm. Sem-IV

Subject code: 030020401

Subject Name: Physical Pharmacy II

Date: 11/03/2013

Total Marks: 20

Instructions:

1. Attempt any three questions. Q.1 is compulsory
2. Figures to the right indicate marks.

Q.1 Attempt any five questions:	10
I. Classify colloids with examples.	
II. Explain particle interactions in suspension with potential energy curve.	
III. In general w/o emulsions show upward creaming. True or false. - Justify	
IV. Comment: Emulsions and suspensions are thermodynamically unstable systems. Justify.	
V. Write sedimentation parameters.	
VI. Explain Gold number with example.	
Q.2 (a) Differentiate between flocculated and deflocculated suspensions.	02
(c) Discuss controlled flocculation.	03
Q.3 Explain electrical properties of colloidal dispersion.	05
Q.4 Write a note on mechanism of emulsifying agents	05
