

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.

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| 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 |
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