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B. Pharmacy (Fourth Semester)
EXAMINATION, April-May, 2015
(New Scheme)

PHARMACEUTICS—V
(Physical Pharmacy—II)

Time : Three Hours]

[Maximum Marks : 70

Note : Attempt any *five* questions. All questions carry equal marks.

1. Enlist various methods of determining particle size. Discuss in detail about sedimentation method.
2. Discuss types, properties and applications of colloidal dispersions.
3. Write an exhaustive note on determination of expiry date. CSVТУonline.com
4. (a) Define solubility. Write an exhaustive note on solubility expression.

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- (b) Discuss in detail about solubility of gases in liquid and solubility of liquids in liquids.
5. Define complex. Write its classification. Discuss in brief about analysis of complexes.
6. Discuss theory of emulsification.
7. Write short notes on any *two* of the following :
 - (a) Phase rule
 - (b) Influence of temperature and light on drug stability CSVТУonline.com
 - (c) Controlled flocculation