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Roll No.

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**B. Pharmacy (Fourth Semester) Examination,
April-May 2019**

(New Scheme)

(Pharmacy Branch)

PHARMACEUTICS-V

(Physical Pharmacy-II)

Time Allowed : Three hours

Maximum Marks : 70

Note : Attempt any five questions. Each question carries equal marks.

1. Define the term micromeritics. Discuss in detail various methods of particle size determination. 4+10=14

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2. Discuss the types, properties and pharmaceutical applications of colloids.
3. Discuss the methods of accelerated stability testing. Give a note on expiry date determination. 7+7=14
4. Give a note on solubility expression. Discuss different methods of solubility determination. 4+10=14
5. Discuss classification and pharmaceutical applications of complexation. Give a note on methods of preparation of complexes. 6+8=14
6. Differentiate between flocculated and deflocculated suspension. Discuss in detail about theory of emulsification. 6+8=14
7. Write short notes on : (any two) 2×7= 14
 - (a) Phase rule and phase diagram
 - (b) Half life determination
 - (c) Densities and flow properties of powder
 - (d) Stability of emulsion

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