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**B. Pharmacy (Fourth Semester) Examination,
April-May 2016
CSVТУonline.com
(New Scheme)**

(Pharmacy Engg. Branch)

PHARMACEUTICS-VI

(Pharmaceutical Engineering-I)

Time Allowed : Three hours

Maximum Marks : 70

Note : Attempt any five questions with suitable diagrams as needed. Each questions carries equal marks.

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1. Explain unit operation and unit processes with suitable examples. How can you balance material and energy in unit operation?

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2. What is Corrosion? Explain the various factors that influence the rate of corrosion and suggest the preventive methods for corrosion. **CSVТУonline.com** 14
3. Define Reynolds number and explain the theory of Bernoulli's theorem with its application. 14
4. Enlist different types of conveyors used for handling of solid materials. Describe construction, working and application of bucket and belt conveyors with suitable diagram. 14
5. (a) Give a brief account on Pilot scale up technique. 7
- (b) Briefly describe different industrial hazards and the safety measures used for its prevention. 7
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6. (a) What do you mean by the term Dehumidification? Write a note on the application of the Dehumidification. 7
- (b) Classify the materials of plant construction and explain the various factors influencing the selection of the material. 7

7. Write short note on : (any two)
- (i) Computer Aided Manufacturing (CAM)
- (ii) Fourier's law **CSVТУonline.com**
- (iii) Psychometric charts