



SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

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PHYSICAL PHARMACEUTICS I

QUESTION BANK - UNIT WISE

UNIT-I

Solubility of Drugs

10 Marks

1. Elaborate the quantitative factors influencing solubility of drugs
2. Nernst distribution law and write its application.
3. Diffusion principles in biological system.
4. Describe the solubility of partially miscible liquids and explain with one example.

5 Marks

1. Describe with examples of polar, non polar & semi polar solvents.
2. Define CST & its applications.
3. Define solubility and write only the factors affecting solubility.
4. Write a note on ideal solutions

2 Marks

1. Define diffusion and state the diffusion laws. (Fick's laws)
2. Write the ways of solubility expressions.
3. Write the Mechanism of solute solvent interactions.
4. Ideal solubility parameters.
5. Define solvation and association.
6. Define binary solutions.
7. What is real solutions.
8. Raoult s law and it's deviations

9. Surface free energy
10. Ideal solution
11. Common ion effect.

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