**Sardar Bhagwan Singh University, Dehradun**

**School of Pharmaceutical Sciences & Technology**

**B.Pharm. 8th Semester (PHR805E)**

**Subject: Novel Drug Delivery System**

**Online Assignment 9**

**Total Marks: 30 Submission Time: 27th May; 23:59 pm**

Instructions: Maintain a hardcopy of this assignment with you. It will be required to be submitted when classes will resume in the University.

**SHORT QUESTIONS (5 MARKS EACH)**

1. How nanoparticles alters the in vivo disposition of drugs?.
2. Is there any defined shape and composition of nanoparticles.
3. Desribe the effect of material and process variables on nanoparticles size and drug entrapment.
4. What are different components of liposomes?
5. Describe in brief various passive drug loading techniques for liposomes.
6. Classify different methods for preparing liposomes.