**Sardar Bhagwan Singh University, Dehradun**

**School of Pharmaceutical Sciences & Technology**

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

**Subject: Novel Drug Delivery System**

**Online Assignment 7**

**Total Marks: 30 Submission Time: 13th 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. In brief, give some key advantages of Alzet osmotic pump.
2. Explain in brief mechanism of Alzet osmotic pump.
3. How size of nanoparticles is determined?.
4. Describe the transport of nanoparticles to cancer cells.
5. Give name of key landmark any five drug delivery technologies and their first entry into the drug market after receiving approval from US FDA.
6. Give brand names, generic names, formulation, pharmaceutical company and indication of five drug delivery systems approved by US FDA in 2019-2020.