**Sardar Bhagwan Singh University, Dehradun**

**School of Pharmaceutical Sciences & Technology**

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

**Subject: Novel Drug Delivery System**

**Online Assignment 4**

**Total Marks: 30 Submission Time: 22nd April; 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. Describe different formulation approaches for colon drug delivery.
2. Discuss various factors affecting iontophoretic process.
3. Enlist advantage of pulomonary drug delivery to treat respiratory and systemic diseases.
4. Give a brief account on clearance and deposition of drugs in respiratory tract.
5. Differentiate nebulizers, metered dose inhalers and dry powder inhalers.
6. Give advantages and disadvantages of inhalation devices.