

Roll No : .....

## MPY-PCS(A)

### M.Pharmacy III Semester

Examination, November 2019

### Modulated Release Oral Drug Delivery Systems

(Elective)

Time : Three Hours

Maximum Marks: 70

- Note :** i) Attempt any five questions.  
ii) All questions carry equal marks.

1. Discuss design of controlled drug delivery systems.
2. Write about design and applications of pulsincap, Eaglet and Enterion technologies.
3. Write notes on -
  - a) MASRx®
  - b) Ring cap®
  - c) Disso cubes®
4. Discuss layering and cryopelletization for obtaining pellet dosage forms with suitable examples.
5. What are dispersed drug delivery systems? Write about the design and formulation of self-emulsifying drug delivery systems.

6. Discuss various models for analyzing drug release from controlled drug delivery systems.
7. Write a detailed note on formulation considerations for osmotic drug delivery systems.
8. Write short notes on any two :
  - a) Fabrication of gastroretentive dosage forms
  - b) Medicated chewing gums
  - c) Orasolv® and Durasolv® technologies

\*\*\*\*\*