

Code: 12S11201

M.Pharm II Semester Supplementary Examinations February 2018

NOVEL DRUG DELIVERY SYSTEMS

(Pharmaceutics & Drug Regulatory Affairs)

(For students admitted in 2012, 2013, 2014, 2015 & 2016 only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 Explain about:
 - (a) Concept of controlled drug delivery systems.
 - (b) Design of diffusion controlled oral drug delivery systems.
- 2 Explain preparation and evaluation methods of transdermal drug delivery systems.
- 3 Mention the concept and design of colon specific systems.
- 4 State the modern concept of Vaginal and Buccal drug delivery systems.
- 5 Add a note on:
 - (a) Enlist the polymers used in controlled drug delivery systems.
 - (b) Concept of hydro dynamic pressure controlled drug delivery systems.
- 6 Write short notes on:
 - (a) Different approaches for gastro retentive drug delivery systems.
 - (b) Concept and design of medicated chewing gums.
- 7 Write in detail about different approaches for prodrugs with lipoproteins and pharmacosomes.
- 8 Explain the design and development of drug delivery systems for proteins and peptides.
