

FACULTY OF PHARMACY**M. Pharmacy (Pharmaceutics) II-Semester (PCI) (Main) Examination, August 2018****Subject: Computer Aided Drug Delivery System****Time: 3 Hrs****Max. Marks: 75****Note: Answer any five questions. All questions carry equal marks.**

- 1 (a) Write short note on "Statistical Modeling". 3x5
(b) Descriptive versus mechanistic modeling.
(c) Population modeling
- 2 Write abt ICH Q8 guide lines. What are the regulatory and industrial views on quality by design? 15
- 3 Write abt active transport and explain any three of the following : 3x5
(a) h PEPTI
(b) ASBT
(c) OCT
(d) OATP
(e) BBB – choline transporter
- 4 (a) How to screen varis parameters in pharmaceutical product development by using computers? 7 ½
(b) What do y mean by factorial designs in optimization technology? 7 ½
- 5 Discuss in detail abt computer simulation in p harmacokinetic and pharmacodynamic studies. 15
- 6 Write short notes on clinical data collection. Give detail description abt the process before, during and after data collection. 15
- 7 (a) Explain varis applications of artificial i ntelligence. 7 ½
(b) Write notes on pharmaceutical automation. 7 ½
- 8 (a) What do y mean by "Biowavier consideration" and where do y apply these biowavier studies? 7 ½
(b) Write detail notes on Invitro, Invivo correlation. 7 ½
