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Rol	II No. Total No. of Pag	ges : 01
Tot	tal No. of Questions : 06	
M.Pharmacy (Pharmaceutics) (2017 Batch) (Sem2) COMPUTER AIDED DRUG DELIVERY SYSTEM Subject Code: MPH-203 Paper ID: [74963]		
Tim	ne: 3 Hrs. Max. Mark	:s: 75
INS ⁻ 1. 2.	TRUCTIONS TO CANDIDATES: Attempt any FIVE questions out of SIX questions. Each question carries FIFTEEN marks.	
Q1	a. Explain how computers enter in to the pharmaceutical research and developme	ent.
	b. How confidence region and sensitivity parameters determined in statistical model.	delling? (8,7)
Q2	a. What are transporters? Give functions of BCRP transporters.	
	b. Give the modelling techniques for Nucleoside transporters and P-gp transporter	ers (8,7)
Q3	a. What is the role of QTPP and CQA in the experimental design?	
	b. Explain the use of optimization designs in the preparation of microemulsion.	(8,7)
Q4	Write short note on : a. In vitro dissolution kinetic models.	
	b. Fed <i>vs.</i> Fasted state.c. virtual trial.	(5×3=15)
Q5	Write short notes on	
	a. Artificial Intelligence.	
	b. Computational Fluid dynamics.	(8,7)
Q6	a. Enumerate computer simulations in pharmacokinetics and Pharmacodynamics.	
	b. What is the role of IVIVC in availing biowaivers from pharmacokinetics?	(8,7)

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