Enrolln	nent No: _	C II CII A II I	Exam Seat No:		
		C.U.SHAH	UNIVERSITY		
		Summer Exa	mination-2019		
Subject	t Name: C	omputer Aided Drug Deliv	ery system		
Subject Code: MPH203T			Branch: M. Pharm (Pharmaceutics)		
Semester: 2 Date: 30/04/2019			Time: 02:30 To 05:30	Marks: 75	
Instruct	ions:				
	Instruction Draw near	•	y other electronic instrument is pook are strictly to be obeyed. cessary) at right places.	rohibited.	
Q-1	Expla	in the following:		(20)	
A	A QbD			2	
]	B PAT			2	

Q-1		Explain the following:	(20)
	A	QbD	2
	В	PAT	
	\mathbf{C}	NDA	2
	D	ANDA	2
	\mathbf{E}	INDA	2 2 2 2 2 2 2 2 2 2 2
	\mathbf{F}	RLD	2
	G	TQM	2
	H	QTTP	2
	I	Artificial Intelligence	2
	J	Computational fluid dynamics	2
Attem	pt the	following questions:	
Q-2		Attempt <u>any two</u> of following:	(20)
	A	Discuss the benefits of implementing quality by design for pharmaceutical	10
	11	industry.	
	В	Enumerate different optimization techniques for pharmaceutical formulation	10
		development and explain any two in detail.	10
0.1	C	Write a note on computers in clinical data collection and management.	10
Q-3		Attempt <u>any Seven</u> of following:	(35)
	A	Discuss about determination of design space.	5
	В	Write a note on <i>in-vitro</i> dissolution and in vitro- in vivo correlation.	5
	C	Write a note on pharmaceutical automation.	5
	D	Write a note on advantages and disadvantages of artificial intelligence.	5
	\mathbf{E}	Discuss about ethics of computing in pharmaceutical research. Write a note on computer simulations in pharmacokinetics and	5 5
	\mathbf{F}	Write a note on computer simulations in pharmacokinetics and pharmacodynamics.	3
	G	Explain active transport and bbb-choline transporter.	5
	Н	Discuss about prediction of drug absorption using different modeling	5
	п	techniques.	
	I	Discuss about various statistical parameters used in F&D.	5

