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Rol	I No.	Total No. of Pages : 1
N	al No. of Questions: 06 M.Pharmacy(Pharmaceutical Chemistry)(2017 & COMPUTER AIDED DRUG DI Subject Code: MPC-203T Paper ID: [74957] e: 3 Hrs.	ESIGN
		max. marks. 70
1. 2.	RUCTIONS TO CANDIDATES: Attempt any FIVE questions out of SIX questions. Each question carries FIFTEEN marks.	
Q1	a. Explain fundamental principle of QSAR.	(7.5)
	b. Give outline for drug designing approaches which catechnique.	an be employed using CADD (7.5)
Q2	a. Discuss the extra thermodynamic approach of convention	nal QSAR. (5)
	b. Describe generation of 3D field in CoMFA analysis.	(5)
	c. Describe five thumb rules for deriving of Hansch QSAR	equations. (5)
Q3	a. How will you parameterize potential energy in CADD te	echniques? (5)
	b. Bioactive conformation is not always global energy minima. Explain.	ima; sometime it is local energy (5)
	c. Flexible docking is superior to rigid docking. Justify with	h example. (5)
Q4	a. What is Lipinski rule of five? Describe its importance in	CADD. (5)
	b. Describe the validation of 3D structure of protein general	ted by homology modelling. (5)
	c. Discuss cavity size prediction in <i>de novo</i> designing.	(5)
Q5	a. What is pharmacophore mapping?	(5)
	b. Comment on conformation search in pharmacophore may	pping. (5)
	c. Name standard pharmacophoric techniques alongwith opharmacophore modelling.	one structural example used in (5)
Q6	Write short note on:	
	a. Electronic parameters used in QSAR.	(7.5)
	b. Structure based designing of DHFR inhibitors.	(7.5)
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