QP CODE: 213328	Reg. No:
Second Semester M. Pharm Degree Regular/Supplementary Examinations February 2021	
M.Pharm (Pharmacology)	
Paper III: Principles of Drug Discovery (MPL 203T)	
Time: 3 Hours	Total Marks: 75
<ul> <li>Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space</li> <li>Answer all parts of a single question together • Leave sufficient space between answers</li> <li>Draw table/diagrams/flow charts wherever necessary</li> </ul>	
Essays	(3x10=30)
Describe various lead seeking methods in application of combinatorial chemistry in dr	
<ol><li>Discuss briefly the fundamentals of QSAR. chemical structure and biological activity.</li></ol>	Write a note on QSAR parameters related to
3. What is pharmacopore. Explain the essent	ial parameters of 3D pharmacophore
Short Notes	(9x5=45)
4. What is de novo drug design	
5. Discuss about pro drug concepts.	
6. How docking studies are performed in silico	
7. Structural factors in drug design.	

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8. Bioinformatics: applications in drug development

9. Application of NMR in protein structure prediction

10. Explain Hansch equation.

12. Zinc finger proteins

11. Explain in detail about gene mapping.