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# FACULTY OF PHARMACY

## M. Pharmacy (Pharmaceutical Chemistry) I – Semester (PCI) (Suppl.) Examination, August 2019

### Subject : Advanced Medicinal Chemistry

### Time : 3 hrs

Max. Marks : 75

### *Note : Answer any FIVE questions. All questions carry equal marks.*

1	<ul><li>a) What are leads? Discuss the concept of lead discovery.</li><li>b) Discuss the criteria for the identification of target and its validation in dr discovery.</li></ul>	ug 8+7
2	<ul><li>a) Explain the concepts of prodrug design and discuss its applications.</li><li>b) Write a note on resistance to antibiotics and anti cancer drugs.</li></ul>	9+6
3	<ul><li>a) Give the classification of antineoplastic drugs with suitable examples.</li><li>b) Write a note on HIV protease inhibitors.</li></ul>	9+6
4	Enumerate varis classes o f enzyme inhibitors with suitable examples and discu abt any one class of enzyme inhibitors.	ss 15
5	<ul><li>a) Define and differentiate peptide drugs and peptidomimetics with examples a discuss the concept of peptidomimetic drug design.</li><li>b) Discuss the chemistry of prostaglandin.</li></ul>	nd 8+7
6	<ul><li>a) Classify Antihypertensive drugs with suitable examples and give the synthesis Diltiazem.</li><li>b) Explain how the chirality of the drug influences the biological activity.</li></ul>	of 9+6
7	Write a note on : a) Lead optimization b) Molecular modifications in analogue design	7+8
8	<ul><li>a) Write a note on AchE inhibitors</li><li>b) Write a note on cyclooxygenase inhibitors</li></ul>	8+7

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