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FACULTY OF PHARMACY

M. Pharmacy (Pharmaceutical Chemistry) II-Semester (PCI) (Suppl.) Examination, January 2020

Subject: Advanced Organic Chemistry – II

Time: 3 Hrs

Max. Marks: 75

Note: Answer any five questions. All questions carry equal marks.

1	(a) What is green chemistry? Discuss the general principles of green chem(b) Give the synthetic applications of ultrasnd ass isted reactions?	nistry. (10+5)
2	(a) Write a note on cpling reactions in peptide synthesis?(b) Discuss the principle and applications of solid phase peptide synthesis	. (6+9)
3	(a) What are pericyclic reactions? Discuss abt sigmatr opic reactions wit mechanism?(b) Explain abt photo oxidation and photo fragmentation .	h its (8+7)
4	 (a) Write a note on applications of enzymes in organic synthesis. (b) Discuss abt phase tr ansfer catalysis and its applications. 	(8+7)
5	 (a) Explain abt Cahn Ingold Prelog sequence rule with examples (b) Discuss abt the Cis -Trans isomerism and E-Z notations in compnds containing carbon carbon dble bonds 	(8+7)
6	(a) Write a note on varis protecting grp protocols employed in solid phase peptide synthesis.(b) Write a note on (i) Transition metal catalysis (ii) Chiral pool	(7+8)
7	(a) Explain the methods used in asymmetric synthesis.(b) Write a note on Stereo selective synthesis.	(8+7)
8	(a) Write a note on continus flow reactors, their advantages and disadvantages.(b) Discuss the principle of microwave assisted synthesis.	(8+7)
