



**DR. B. C. ROY COLLEGE OF PHARMACY & AHS, DURGAPUR
(NBA Accredited for UG Pharmacy Program)**

FACULTY: PM

PROGRAM: B. PHARM

Course Code: 5.3.T

Course Name: Advanced concepts in Synthetic Chemistry in Pharmacy

Suggested Books for the Course (with links):

Sl. No.	Book Name, Ed., Vol	Authors	Weblink(s)
1.	Foye's Principles of Medicinal Chemistry	Thomas L.Lemke David A. Williams	Foye's Principles of Medicinal Chemistry (Lemke, Foye's Principles of Medicinal Chemistry) (PDFDrive.com).pdf
2.	An Introduction to Medicinal Chemistry	Graham L.Patrick	An Introduction to Medicinal Chemistry_F.pdf
3.	Medicinal Chemistry	Gareth Thomas	Medicinal Chemistry by G.Thomas

Supplementary Materials for Reference and Self Study:

Date	Module (as per Lesson Plan)	Topic	Live Recording Link	PPT Link	Supplementary Notes / Resources	Remarks, if any
21.07.2020	Unit I	Introduction on heterocyclic nomenclature	CLICK HERE	--	IUPAC_NOTES.pdf	---
22.07.2020	Unit I	Introduction of bridged heterocyclic systems	CLICK HERE	--	Bridged Heterocyclic Nomenclature.pdf	---
28.07.2020	Unit I	Nomenclature of Monocyclic systems	CLICK HERE	--	5.3.T_28.07.2020.pdf	---



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31.07.2020	Unit I	Nomenclature of Monocyclic systems and QP discussion	CLICK HERE	--	Question Paper-5.3.T-03.08.2020	---
04.08.2020	Unit I	Nomenclature of partially saturated systems	CLICK HERE	--	Partially saturated Heterocycles	---
05.08.2020	Unit I	Nomenclature of fused heterocycles(carbocycle)	CLICK HERE	--	Fused Heterocycle	---
12.08.2020	Unit I	Nomenclature of fused heterocycles	CLICK HERE	--	FUSED HETEROCYCLES NOTES WITH EXAMPLES	---
18.08.2020	Unit I	Nomenclature of two heterocyclic fused ring	CLICK HERE	--	5.3.T_18.08.2020	
19.08.2020	Unit I	Nomenclature of polycyclic fused ring	CLICK HERE	--	5.3.T_19.08.2020	
25.08.2020	Unit II	Diuretics Introduction	CLICK HERE	--	Diuretics- 25.08.2020	
26.08.2020	Unit II	Acetazolamide and Thiazide diuretics	CLICK HERE	--	Diuretics-26.08.2020	
01.09.2020	Unit II	Thiazide diuretics	CLICK HERE	--	5.3.T-01.09.2020	
02.09.2020	Unit II	LoopDiuretics	CLICK HERE	--	5.3.T-02.09.2020	
08.09.2020	Unit II	Potassium sparing diuretics	CLICK HERE	--	5.3.T-08.09.2020	
09.09.2020	Unit II	Potassium sparing diuretics and osmotic diuretics	CLICK HERE	--	5.3.T-09.09.2020	



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15.09 .2020	Unit III	Congestive Heart Failure & Cardiac glycosides-Digoxin and Digitoxin	CLICK HERE		5.3.T-15.09.2020	
16.09 .2020	Unit III	Congestive Heart Failure & Cardiac glycosides-Digoxin and Digitoxin	CLICK HERE		5.3.T-16.09.2020.pdf	
22.09 .2020	Unit II	Anti hypertensive drug classification	CLICK HERE		5.3.T-22.09.2020.pdf	
23.09 .2020	Unit II	Vasodilators- Isosorbide dinitrate, Nitroglycerine, Amyl nitrate	CLICK HERE		5.3.T-23.09.2020.pdf	
01.12 .2020	Unit II	Anti hypertensives- Beta blockers	CLICK HERE		Beta blockers and Calcium channel blockers	
02.12 .2020	Unit II	Anti hypertensives- Beta blockers	CLICK HERE		Anti hypertensive agents-ACE inhibitors	
09.12 .2020	Unit II	ACE inhibitors and AT2 antagonists	CLICK HERE		ACE Inhibitors	
16.12 .2020	Unit II	ACE inhibitors and AT2 antagonists	CLICK HERE		Notes-ANTIHYPERTENSIVE AGENTS	
19.01 .2021	Unit I	Anti cancer agents	CLICK HERE		Cell cycle and classification of anticancer agents	
28.01 .2021	Unit I	Anti cancer agents	CLICK HERE		Antimetabolites anticancer agents	
03.02 .2021	Unit I	Anti cancer agents-antimetabolites & alkylating	CLICK HERE		ALKYLATING AGENTS	



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		agents				
10.02 .2021	Unit I	Anti cancer agents-alkylating agents	CLICK HERE		ANTIMETABOLITES	
16.02 .2021	Unit I	Anti cancer agents-Plant products and antibiotics	CLICK HERE		ANTIMETABOLITES AND PLANT PRODUCTS	
19.02 .2021	Unit I	Anti neoplastic agents	CLICK HERE		ANTIBIOTICS-ANTI CANCER AGENTS	
24.02 .2021	Unit III	Anti-arrythmic drugs			Cardiac Arrythmia-Introduction	