



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

FACULTY: Dr. Aniruddha Mukherjee (AM)

PROGRAM: B. PHARM

Course Code: 5.5.T

Course Name: Advance concepts in drug action

Suggested Books for the Course (with links):

Sl. No.	Book Name, Ed., Vol	Authors	Weblink(s)
1.	Goodman and Gilman's The Pharmacological Basis of Therapeutics 13th edition 2018	Laurence Brunton, Bjorn Knollmann, Randa Hilal-Dandan	PDF
2.	Goodman and Gilman's The Pharmacological Basis of Therapeutics 12th edition 2011	Laurence Brunton, Bruce A. Chabner, Björn C. Knollmann	PDF
3.	Goodman and Gilman's The Pharmacological Basis of Therapeutics 11th edition 2008	Laurence L. Brunton, John S Lazo and Keith L. Parker	HTML (need to download)
4.	Essentials of Medical Pharmacology - 8th edition - 2019	K. D. Tripathy	PDF
5.	Essentials of Medical Pharmacology - 7th edition - 2019	K. D. Tripathy	PDF
6.	Harrisons Principles of Internal Medicine. 16th. Edition. 2005	Dennis, L. Kasper, Anthony S. Fauci, Dan L. Longo, Eugene Braunwald, Stephen L. Auser, J. Larry Jameson	PDF
7.	Rang & Dale's Pharmacology, 8th Edition – 2016	H P Rang, J M Ritter, R J Flower and G Henderson	PDF
8.	Rang & Dale's Pharmacology, 9th Edition – 2020	James M. Ritter , Rod Flower , Graeme Henderson, Yoon Kong Loke, David Macewan and Humphrey p. Rang	PDF

Assignment questions for PT-518 - [click here](#)



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Supplementary Materials for Reference and Self Study:

Date	Module (as per Lesson Plan)	Topic	Live Recording Link	Powerpoint Presentation Link	Supplementary Notes / Resources	Remarks
21-07-2020	UNIT - III	Introduction to inflammation, pain and fever	Youtube Link	PPT	Articles on Inflammation-pain-fever	Read the book chapter from the books shared then have a look on articles shared
22-07-2020	UNIT - III	Body temperature regulation, fever and autacoids	Youtube link	PPT	Articles	For Histamine read Goodman Gilman 13th edition & K. D. Tripathy 7th edition
28-07-2020	UNIT - III	Pharmacology of Histamine	Youtube link	PPT	Articles, Cell adhesion molecules	Preferred book chapter Goodman Gilman 13th edition & K. D. Tripathy 7th edition Page-712 and 160
29-07-2020	UNIT - III	Pharmacology of Histamine antagonists	Youtube link	PPT	Articles on AH	For H3 & H4 consult articles
04-08-2020	UNIT - III	Serotonin the happy neurotransmitter	Youtube link Other video	PPT	5-Hydroxytryptamine (Serotonin)	Chapter material is linked (downloadable). Other articles
05-08-2020	UNIT - III	5HT and their antagonists	Youtube link	PPT	Other articles	Same as above
12-08-2020	UNIT - III	Eicosanoids - Biosynthesis & receptor	Youtube link	PPT	Book chapter	Extra articles
18-08-2020	UNIT-III	Eicosanoids – Pharmacology and therapeutics	Youtube link	PPT	Book chapter	Other articles
19-08-2020	UNIT-III	Revision on inflammation-pain-fever-autacoids-eicosanoids	Youtube link	PPTs	Study materials	-----
25-08-2020	UNIT-III	Angiotensin-Bradykinin	Youtube link	PPT	Video ; Book chapter	Other articles
26-08-2020	UNIT - III	Bradykinin - substance P	Youtube link	PPT	Study material	Other articles
01-09-2020	UNIT - III	Introduction on Anti-inflammatory drugs	Recorded link	PPT	Study material	Book chapter is linked as study material
02-09-2020	UNIT - III	General Pharmacology of NSAIDs	Recorded link	PPT	Study material	Book chapter is linked as study material
08-09-2020	UNIT - III	General pharmacology of individual NSAIDs	Youtube link	PPT	Study material	Book chapter is linked as study material



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08-09-2020	UNIT - III	General pharmacology of individual COX-2 blocker	Youtube link	PPT	Study material	Book chapter is linked as study material
15-09-2020	UNIT - III	Pharmacology of Anti-gout drugs	Youtube link	PPT	Study material	Other material
22-09-2020	UNIT - III	Antigout Drugs Therapeutics	Youtube link	PPT	Study material	Other material
23-09-2020	UNIT - III	Drugs used in Rheumatic arthritis	Youtube link	PPT	K.D. Tripathy & Rang and Dale.	Other material & Video
26-09-2020	UNIT IV	Introduction to endocrine pharmacology	Youtube link	PPT	Any physiology book	-----
29-09-2020	UNIT IV	Anterior pituitary hormones	Youtube	PPT	Book chapter	Additional material
30-09-2020	UNIT IV	Prolactin, Gonadotrophin, HCG & GnRH	Youtube	PPT	Book chapter	
01-12-2020	UNIT IV	Diabetes, pancreas and insulin - Introduction	Youtube First part	PPT	Book chapter	Additional material
02-12-2020	UNIT IV	Diabetes - classification & complication	Youtube First part	PPT	Book chapter	Additional material
08-12-2020	UNIT IV	Physiological and pharmacological role of insulin	Youtube	PPT	Book chapters	Additional materials
15-12-2020	UNIT - IV	Insulin analog & preparation	Youtube	PPT	Consult previous book chapter	Materials
13-01-2021	UNIT - IV	Oral hypoglycemic agents	Youtube	PPT	Study material	KD tripathi
19-01-2021	UNIT - IV	Antidiabetic drugs other than secretagogue	Youtube	PPT	Same material	Articles
20-01-2021	UNIT - IV	Thyroid hormones-analogues and their inhibitors	Youtube	PPT	Book chapter	
27-01-2021	UNIT - IV	Pharmacology of estrogen	Youtube	PPT	Book chapter	



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02-02-2021	UNIT - IV	Pharmacology of Progesterone	Youtube	PPT	Book chapter	
02-02-2021	UNIT - IV	Same	Same	Same	Same	
09-02-2021	UNIT - IV	Oral contraceptive	Youtube	PPT	Book chapter	
09-02-2021	UNIT - IV	Same	Same	Same	Same	
23-02-2021	UNIT - III	Revision & Androgen	Youtube	PPT	Book chapter	
24-02-2021	UNIT - III	Drugs acting on the uterus	Youtube	PPT	Book chapter	