



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

**FACULTY: DR. SUDIP KUMAR MANDAL**

**PROGRAM: B. PHARM**

**Course Code: PT-513A (N) & PT-593**

**Course Name: Medicinal Chemistry I & Med Chem Practical**

**Suggested Books for the Course (with links):**

Sl. No.	Book Name, Ed., Vol	Authors	Weblink(s)
1.	Gisvold & Wilson Medicinal Chemistry	Wilson and Gisvold	<a href="https://drive.google.com/file/d/18Z7fnX_MqDJ_DJWJH6WFHZ1BU0XY7vSB/view?usp=sharing">https://drive.google.com/file/d/18Z7fnX_MqDJ_DJWJH6WFHZ1BU0XY7vSB/view?usp=sharing</a>
2.	Wermuth_The Practice of Medicinal Chemistry	C. G. Wermuth	<a href="https://drive.google.com/file/d/1uN5jtLsf9pkHqKDKpRclE44x2KcinQ6d/view?usp=sharing">https://drive.google.com/file/d/1uN5jtLsf9pkHqKDKpRclE44x2KcinQ6d/view?usp=sharing</a>
3.	G. L. Patrick_An Introduction to Medicinal Chemistry	G. L. Patrick	<a href="https://drive.google.com/file/d/1Pot7PmgzrPmUzWjDPY2LU8Ec7I3tsOqK/view?usp=sharing">https://drive.google.com/file/d/1Pot7PmgzrPmUzWjDPY2LU8Ec7I3tsOqK/view?usp=sharing</a>

**Supplementary Materials for Reference and Self Study:**

Date	Module (as per Lesson Plan)	Topic	Live Recording Link	Powerpoint Presentation Link	Supplementary Notes / Resources
23.07.20	1	Introduction to medicinal chemistry	<a href="https://www.youtube.com/watch?v=MCJC_Y7lcCMA">https://www.youtube.com/watch?v=MCJC_Y7lcCMA</a>		<a href="https://drive.google.com/file/d/1FhBvzjS_uGCBfwTjUSBAE2uUKk-JvEXm/view?usp=sharing">https://drive.google.com/file/d/1FhBvzjS_uGCBfwTjUSBAE2uUKk-JvEXm/view?usp=sharing</a>
24.07.20	1	Physicochemical prop. & biol. activity	<a href="https://www.youtube.com/watch?v=khp1fW5Zxrc">https://www.youtube.com/watch?v=khp1fW5Zxrc</a>		<a href="https://drive.google.com/file/d/1FhBvzjS_uGCBfwTjUSBAE2uUKk-JvEXm/view?usp=sharing">https://drive.google.com/file/d/1FhBvzjS_uGCBfwTjUSBAE2uUKk-JvEXm/view?usp=sharing</a>

30.07.20					<a href="https://drive.google.com/file/d/1G9OHYIGoWOxEhoLA4wngT-M98-qXnOL2/view?usp=sharing">https://drive.google.com/file/d/1G9OHYIGoWOxEhoLA4wngT-M98-qXnOL2/view?usp=sharing</a>
31.07.20	1	Drug receptor interaction	<a href="https://www.youtube.com/watch?v=6e8ksk4k4V0">https://www.youtube.com/watch?v=6e8ksk4k4V0</a>		<a href="https://drive.google.com/file/d/1G9OHYIGoWOxEhoLA4wngT-M98-qXnOL2/view?usp=sharing">https://drive.google.com/file/d/1G9OHYIGoWOxEhoLA4wngT-M98-qXnOL2/view?usp=sharing</a>
06.08.20	1	Optical isomerism & biological activity	<a href="https://www.youtube.com/watch?v=AZnw2aBeOLw">https://www.youtube.com/watch?v=AZnw2aBeOLw</a>		<a href="https://drive.google.com/file/d/1LnyD6hX2Tb1k4aB9P6ESKKnV9LuLsuYv/view?usp=sharing">https://drive.google.com/file/d/1LnyD6hX2Tb1k4aB9P6ESKKnV9LuLsuYv/view?usp=sharing</a>
07.08.20	1	Steric features, optical isomerism & biological activity	<a href="https://www.youtube.com/watch?v=6j7oUkqIjgc">https://www.youtube.com/watch?v=6j7oUkqIjgc</a>		<a href="https://drive.google.com/file/d/13SJZ4jOxEIroG7sKcaHPwhJw-p1fVzdj/view?usp=sharing">https://drive.google.com/file/d/13SJZ4jOxEIroG7sKcaHPwhJw-p1fVzdj/view?usp=sharing</a>
13.08.20	1	Bioisosterism	<a href="https://www.youtube.com/watch?v=EEt8Kddo3X8">https://www.youtube.com/watch?v=EEt8Kddo3X8</a>		<a href="https://drive.google.com/file/d/11WfvQUU_PsNfeKKrih-vgSe7fQnSLAa/view?usp=sharing">https://drive.google.com/file/d/11WfvQUU_PsNfeKKrih-vgSe7fQnSLAa/view?usp=sharing</a>
14.08.20		Bioisosterism	<a href="https://www.youtube.com/watch?v=nsRRY7aUzXQ">https://www.youtube.com/watch?v=nsRRY7aUzXQ</a>		Do
20.08.20	3	Cholinergic agonists	<a href="https://www.youtube.com/watch?v=TSnrXxiOHI4">https://www.youtube.com/watch?v=TSnrXxiOHI4</a>		<a href="https://drive.google.com/file/d/1NRc4K4G89xhJsRONvpk08fl2_NOjBXZ/view?usp=sharing">https://drive.google.com/file/d/1NRc4K4G89xhJsRONvpk08fl2_NOjBXZ/view?usp=sharing</a>
21.08.20	3	Cholinergic drug SAR	<a href="https://www.youtube.com/watch?v=OKNAYCroYgE&amp;feature=youtu.be">https://www.youtube.com/watch?v=OKNAYCroYgE&amp;feature=youtu.be</a>		Do
27.08.20	3	Cholinergic & Anticholinergics drugs	<a href="https://www.youtube.com/watch?v=RkMY6KVZoMI">https://www.youtube.com/watch?v=RkMY6KVZoMI</a>		<a href="https://drive.google.com/file/d/17zOuaKfaRGT3_pCCmGu5WeAj8dsHd32Y/view?usp=sharing">https://drive.google.com/file/d/17zOuaKfaRGT3_pCCmGu5WeAj8dsHd32Y/view?usp=sharing</a> <a href="https://drive.google.com/file/d/1wLFgooXHmplMpVmVPpf3V1nSUZlfYX5c/view?usp=sharing">https://drive.google.com/file/d/1wLFgooXHmplMpVmVPpf3V1nSUZlfYX5c/view?usp=sharing</a>
28.08.20	3	Anticholinergics SAR,  Cholinergic & Anticholinergics synthesis	<a href="https://www.youtube.com/watch?v=D8Hm8j5JQsA">https://www.youtube.com/watch?v=D8Hm8j5JQsA</a>		<a href="https://drive.google.com/file/d/1fh2yKcwNGqAh-IgzEnlfa71h8caxDScv/view?usp=sharing">https://drive.google.com/file/d/1fh2yKcwNGqAh-IgzEnlfa71h8caxDScv/view?usp=sharing</a> <a href="https://drive.google.com/file/d/17zOuaKfaRGT3_pCCmGu5WeAj8dsHd32Y/view?usp=sharing">https://drive.google.com/file/d/17zOuaKfaRGT3_pCCmGu5WeAj8dsHd32Y/view?usp=sharing</a> <a href="https://drive.google.com/file/d/1OicozR1Thg38T9oDBdh85g4W9qz_paV2/">https://drive.google.com/file/d/1OicozR1Thg38T9oDBdh85g4W9qz_paV2/</a>

					<a href="#">view?usp=sharing</a>
03.09.20	2	Adrenergic agonists	<a href="https://www.youtube.com/watch?v=NPHJvOJgoxU">https://www.youtube.com/watch?v=NPHJvOJgoxU</a>		<a href="https://drive.google.com/file/d/1OicozR1Thg38T9oDBdh85g4W9qz_paV2/view?usp=sharing">https://drive.google.com/file/d/1OicozR1Thg38T9oDBdh85g4W9qz_paV2/view?usp=sharing</a>
04.09.20	2	Adrenergic agonists and antagonists	<a href="https://www.youtube.com/watch?v=8pj62zaKGhY&amp;feature=youtu.be">https://www.youtube.com/watch?v=8pj62zaKGhY&amp;feature=youtu.be</a>		<a href="https://drive.google.com/file/d/1OicozR1Thg38T9oDBdh85g4W9qz_paV2/view?usp=sharing">https://drive.google.com/file/d/1OicozR1Thg38T9oDBdh85g4W9qz_paV2/view?usp=sharing</a>
10.09.20	2	Synthesis of adrenergic agonist and antagonists	<a href="https://www.youtube.com/watch?v=TwzzMvWsrtO&amp;feature=youtu.be">https://www.youtube.com/watch?v=TwzzMvWsrtO&amp;feature=youtu.be</a>		<a href="https://drive.google.com/file/d/1c9n1HhEnZQuKVonr-UfaEY1UOQJ0aDN1/view?usp=sharing">https://drive.google.com/file/d/1c9n1HhEnZQuKVonr-UfaEY1UOQJ0aDN1/view?usp=sharing</a>
11.09.20		Cholinergic agonists	<a href="https://youtu.be/LK1n6SrWu3w">https://youtu.be/LK1n6SrWu3w</a>		<a href="https://drive.google.com/file/d/1NRc4K4G89xhJsRONvpk08fI2_NOnjBXZ/view?usp=sharing">https://drive.google.com/file/d/1NRc4K4G89xhJsRONvpk08fI2_NOnjBXZ/view?usp=sharing</a>
24.09.20		Cholinergic agonists	<a href="https://youtu.be/hty9usALIqs">https://youtu.be/hty9usALIqs</a>		<a href="https://drive.google.com/file/d/1NRc4K4G89xhJsRONvpk08fI2_NOnjBXZ/view?usp=sharing">https://drive.google.com/file/d/1NRc4K4G89xhJsRONvpk08fI2_NOnjBXZ/view?usp=sharing</a>
03.12.20		Anticholinergics	<a href="https://youtu.be/NKV5sA8K48g">https://youtu.be/NKV5sA8K48g</a>		<a href="https://drive.google.com/file/d/17zOuaakfaRGT3_pCCmGu5WeAj8dsHd32Y/view?usp=sharing">https://drive.google.com/file/d/17zOuaakfaRGT3_pCCmGu5WeAj8dsHd32Y/view?usp=sharing</a>
04.12.20		Cholinergic drug synthesis	<a href="https://youtu.be/4q5eHSahIZU">https://youtu.be/4q5eHSahIZU</a>		<a href="https://drive.google.com/file/d/17zOuaakfaRGT3_pCCmGu5WeAj8dsHd32Y/view?usp=sharing">https://drive.google.com/file/d/17zOuaakfaRGT3_pCCmGu5WeAj8dsHd32Y/view?usp=sharing</a>
10.12.20		Cholinergic agonists	<a href="https://youtu.be/LK1n6SrWu3w">https://youtu.be/LK1n6SrWu3w</a>		Revision

## Recording (PT-593)

Date	Topic	Link
14.01.21	Synthesis of Benzocaine	<a href="https://youtu.be/EHTi8tpIvUo">https://youtu.be/EHTi8tpIvUo</a> <a href="https://www.youtube.com/watch?v=HUt-nkV0xI0">https://www.youtube.com/watch?v=HUt-nkV0xI0</a>

14.01.21	<b>Synthesis of 2,3-Diphenylquinoxaline</b>	<a href="https://drive.google.com/file/d/1KGYvm3qDOUKKTn-KKUIT4fB.JdvgaHhv/view?usp=sharing">https://drive.google.com/file/d/1KGYvm3qDOUKKTn-KKUIT4fB.JdvgaHhv/view?usp=sharing</a>
28.01.21	<b>Synthesis of Phenytoin</b>	<a href="https://drive.google.com/file/d/1szt.JEWx7OOGIvaMd_uZRv9BG5tIDu-RD/view?usp=drivesdk">https://drive.google.com/file/d/1szt.JEWx7OOGIvaMd_uZRv9BG5tIDu-RD/view?usp=drivesdk</a>