



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

**FACULTY: JAYITA MONDAL**

**PROGRAM: B. PHARM**

**Course Code:**

**5.1.T**

**Course Name:**

**Advanced concepts in Phytochemistry**

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

Sl. No.	Book Name, Ed., Vol	Authors	Weblink(s)
1.	Extraction technologies for medicinal and aromatic plants.	Edited by Sukhdev Swami Handa Suman Preet Singh Khanuja Gennaro Longo Dev Dutt Rakesh	<a href="https://drive.google.com/file/d/19-2J2XtA9i6aUljMva33F8mm_rg6Hn9v/view?usp=sharing">https://drive.google.com/file/d/19-2J2XtA9i6aUljMva33F8mm_rg6Hn9v/view?usp=sharing</a>
2.	Principals and techniques of biochemistry and molecular biology 7th ed	Wilson Walker	<a href="https://drive.google.com/file/d/1miPRwqXHC8MFVl20oegVeYLFcHpVlida/view?usp=sharing">https://drive.google.com/file/d/1miPRwqXHC8MFVl20oegVeYLFcHpVlida/view?usp=sharing</a>
3.	TREASE & EVANS PHARMACOGNOSY	W C EVANS	<a href="#">CLICK HERE</a>

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

Date	Module (as per Lesson Plan)	Topic	Live Recording Link	Powerpoint Presentation Link	Supplementary Notes / Resources	Remarks, if any
23/07/2020	Extraction Technology	Extraction Technology	<a href="https://drive.google.com/file/d/1k9w_Xt1e0z5Ew3PcRjV0aso">https://drive.google.com/file/d/1k9w_Xt1e0z5Ew3PcRjV0aso</a>	<a href="https://drive.google.com/file/d/1y2PaXX43DRskW4mjQlPHd3lw1vSNQtvr/view?usp">https://drive.google.com/file/d/1y2PaXX43DRskW4mjQlPHd3lw1vSNQtvr/view?usp</a>		To be continued.



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			<a href="#">QBCq5H6ec/view?usp=sharing</a>	=sharing		
25/7/2020	Extraction Technology	Extraction Technology	<a href="https://youtu.be/K88xpYpwsKM">https://youtu.be/K88xpYpwsKM</a>	<a href="https://drive.google.com/file/d/16nEC3KMT5VK04_4kq4v6wALyexOw2eep/view?usp=sharing">https://drive.google.com/file/d/16nEC3KMT5VK04_4kq4v6wALyexOw2eep/view?usp=sharing</a>		To be continued
30/7/2020	Extraction Technology	Extraction Technology	<a href="https://drive.google.com/file/d/14fOPPLW-elGifyfweTW2Lfp57efQxTls/view?usp=sharing">https://drive.google.com/file/d/14fOPPLW-elGifyfweTW2Lfp57efQxTls/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1y2PaXX43DRskW4mjQlPHd3lw1vSNQtvr/view?usp=sharing">https://drive.google.com/file/d/1y2PaXX43DRskW4mjQlPHd3lw1vSNQtvr/view?usp=sharing</a>		To be continued
6/8/2020	Extraction Technology	Microwave assisted Extraction Technique	<a href="https://drive.google.com/file/d/1cikRy4vGdwURoEdsSH9-6tzuZ1jxJHF/view?usp=sharing">https://drive.google.com/file/d/1cikRy4vGdwURoEdsSH9-6tzuZ1jxJHF/view?usp=sharing</a>  <a href="https://drive.google.com/file/d/1mNwzPJajX1Bq-REwICgk8ao8LFFuHyDQ/view?usp=sharing">https://drive.google.com/file/d/1mNwzPJajX1Bq-REwICgk8ao8LFFuHyDQ/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1laDw4ZapOs4R9PU8i-e7xcnGbl5pFaZx/view?usp=sharing">https://drive.google.com/file/d/1laDw4ZapOs4R9PU8i-e7xcnGbl5pFaZx/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1fnlze2Ta2RiXsm0MHvKfUJzKW HBFp09Q/view?usp=sharing">https://drive.google.com/file/d/1fnlze2Ta2RiXsm0MHvKfUJzKW HBFp09Q/view?usp=sharing</a>	



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8/8/2020	Extraction Technology	Microwave assisted Extraction Technique & Counter Current Extraction	<a href="https://youtu.be/quGo4ddr-jl">https://youtu.be/quGo4ddr-jl</a>	<a href="https://drive.google.com/file/d/1sqNCWZZtTYZ2fKbQpjiQNzCTiNcyF2a1/view?usp=sharing">https://drive.google.com/file/d/1sqNCWZZtTYZ2fKbQpjiQNzCTiNcyF2a1/view?usp=sharing</a>		
13/08/2020	Extraction Technology	Ultrasound Assisted Extraction (UAE)	<a href="https://drive.google.com/file/d/1sHcleiHykflvyR08jjaB-NVXDBFIP5jy/view?usp=sharing">https://drive.google.com/file/d/1sHcleiHykflvyR08jjaB-NVXDBFIP5jy/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1KMpMCR4M3fvsS6AgbFzfxqQvWaq1YUx/view?usp=sharing">https://drive.google.com/file/d/1KMpMCR4M3fvsS6AgbFzfxqQvWaq1YUx/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1eV1kWuCXGVqA5rRhmc4gUUSP6IzarEq/view?usp=sharing">https://drive.google.com/file/d/1eV1kWuCXGVqA5rRhmc4gUUSP6IzarEq/view?usp=sharing</a>	
20/8/2020	Extraction Technology	Supercritical Fluid Extraction(SFE)	<a href="https://youtu.be/BmiBxifg7II">https://youtu.be/BmiBxifg7II</a>	<a href="https://drive.google.com/file/d/1639HCwiqsL1o8E_tg4qsXbsGOz0R0rUJ/view?usp=sharing">https://drive.google.com/file/d/1639HCwiqsL1o8E_tg4qsXbsGOz0R0rUJ/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1hDVszRLnngUzWGFiFWPbtLLnf2eQMwzG/view?usp=sharing">https://drive.google.com/file/d/1hDVszRLnngUzWGFiFWPbtLLnf2eQMwzG/view?usp=sharing</a>	
22/8/2020	Extraction Technology	Phytonic Process & Extraction of Essential oils	<a href="https://youtu.be/haUBC6D-EB8">https://youtu.be/haUBC6D-EB8</a>	<a href="https://drive.google.com/file/d/1RAaSUEZCqxZwLe7Kelqn5y1TB0-SndKG/view?usp=sharing">https://drive.google.com/file/d/1RAaSUEZCqxZwLe7Kelqn5y1TB0-SndKG/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1mZyEkSxxbBqeCvmDx59Zwa6g4P0sM24q/view?usp=sharing">https://drive.google.com/file/d/1mZyEkSxxbBqeCvmDx59Zwa6g4P0sM24q/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1W4SYIeILYn23qPizSsfF7tB74Xgn3rzA/view?">https://drive.google.com/file/d/1W4SYIeILYn23qPizSsfF7tB74Xgn3rzA/view?</a>



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27/8/2020	Extraction Technology & Chromatography(Basic)	Extraction of Essential oils & Chromatography	<a href="https://youtu.be/vrgyFEcLBok">https://youtu.be/vrgyFEcLBok</a>	<a href="https://drive.google.com/file/d/1hRxCVUOW-5RQcP0Aw-OhxkYwNThiADG6/view?usp=sharing">https://drive.google.com/file/d/1hRxCVUOW-5RQcP0Aw-OhxkYwNThiADG6/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1BfYHcN_Z06q9IqjMnmApbObcUqU7Inmk/view?usp=sharing">https://drive.google.com/file/d/1BfYHcN_Z06q9IqjMnmApbObcUqU7Inmk/view?usp=sharing</a>  <a href="https://drive.google.com/file/d/19-2J2XtA9i6aUijMva33F8mmrg6Hn9v/view?usp=sharing">https://drive.google.com/file/d/19-2J2XtA9i6aUijMva33F8mmrg6Hn9v/view?usp=sharing</a>  <a href="https://drive.google.com/file/d/1rpRV1fq93kCiU5fyI_Z63KpbdwBoTsVPV/view?usp=sharing">https://drive.google.com/file/d/1rpRV1fq93kCiU5fyI_Z63KpbdwBoTsVPV/view?usp=sharing</a>	
3/8/2020	Chromatography(Basic)	Chromatography(Paper & TLC)	<a href="https://youtu.be/F1oAd-117PI">https://youtu.be/F1oAd-117PI</a>	<a href="https://drive.google.com/file/d/1d7394iX8-3QwjMmBCaQqvDYXPUGAcpn/view?usp=sharing">https://drive.google.com/file/d/1d7394iX8-3QwjMmBCaQqvDYXPUGAcpn/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1e3q79esfhCaUfKHX2zXh1U3T0bOg3J8_/view?usp=sharing">https://drive.google.com/file/d/1e3q79esfhCaUfKHX2zXh1U3T0bOg3J8_/view?usp=sharing</a>  <a href="https://drive.google.com/file/d/1qpVxZFNDMNxhno">https://drive.google.com/file/d/1qpVxZFNDMNxhno</a>	



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10/9/2020	Chromatography	Column chromatography & Analysis of peaks	<a href="https://drive.google.com/file/d/1QoU0fafy7Yx-O97G5-g_1psUNQzZK-YH/view?usp=sharing">https://drive.google.com/file/d/1QoU0fafy7Yx-O97G5-g_1psUNQzZK-YH/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1Tc5a7uafrT4nvvWWitB4UdkYO5zLN3w/view?usp=sharing">https://drive.google.com/file/d/1Tc5a7uafrT4nvvWWitB4UdkYO5zLN3w/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1miPRwqXHC8MFVI20oegVeYLFchPVIida/view?usp=sharing">https://drive.google.com/file/d/1miPRwqXHC8MFVI20oegVeYLFchPVIida/view?usp=sharing</a>	
12/9/2020	Chromatography	Analysis of Chromatographic peaks & Affinity Chromatography	<a href="https://youtu.be/l-vSJTojMPc">https://youtu.be/l-vSJTojMPc</a>	<a href="https://drive.google.com/file/d/1xrlXgLuKC2bepgirKXSV4Ft6acFzJt20/view?usp=sharing">https://drive.google.com/file/d/1xrlXgLuKC2bepgirKXSV4Ft6acFzJt20/view?usp=sharing</a>		
19/9/2020	Chromatography	Gas chromatography	<a href="https://youtu.be/11SezTjC0nE">https://youtu.be/11SezTjC0nE</a>	<a href="https://drive.google.com/file/d/1xrlXgLuKC2bepgirKXSV4Ft6acFzJt20/view?usp=sharing">https://drive.google.com/file/d/1xrlXgLuKC2bepgirKXSV4Ft6acFzJt20/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1miPRwqXHC8MFVI20oegVeYLFchPVIida/view?usp=sharing">https://drive.google.com/file/d/1miPRwqXHC8MFVI20oegVeYLFchPVIida/view?usp=sharing</a>	To be continued. ..
24/9/2020	Chromatography	Gas chromatography	<a href="https://youtu.be/LROlmexp8V0">https://youtu.be/LROlmexp8V0</a>	<a href="https://drive.google.com/file/d/1R_SwyDkpwJSK7kLPGBonAxkWWM5MXgGq/view?usp=sharing">https://drive.google.com/file/d/1R_SwyDkpwJSK7kLPGBonAxkWWM5MXgGq/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1Dk2RSF6RoKPFHtD3o9ilmtepuDQhRNoX/view?usp=sharing">https://drive.google.com/file/d/1Dk2RSF6RoKPFHtD3o9ilmtepuDQhRNoX/view?usp=sharing</a>	<a href="https://drive.google.com/f">https://drive.google.com/f</a>



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26/9/2020	Chromatography	HPTLC & Size Exclusion Chromatography	<a href="https://youtu.be/TSmbjQ18k3s">https://youtu.be/TSmbjQ18k3s</a>	<a href="https://drive.google.com/file/d/1ed8f37czl6MPmz6ZdCyWZHrWEmanWMV/view?usp=sharing">https://drive.google.com/file/d/1ed8f37czl6MPmz6ZdCyWZHrWEmanWMV/view?usp=sharing</a>	<a href="https://drive.google.com/file/d/1sdbbIKHNqp7C82IBcFE3O21bFRH8zboS/view?usp=sharing">https://drive.google.com/file/d/1sdbbIKHNqp7C82IBcFE3O21bFRH8zboS/view?usp=sharing</a>	
15/1/2021	TANNINS	TANNINS	<a href="https://youtu.be/getSNRFhYFI">https://youtu.be/getSNRFhYFI</a>	<a href="#">TANNINS</a>		
16/1/2021	TANNINS & TERPENOIDS	TANNINS & TERPENOIDS	<a href="https://youtu.be/PhVhbeU67vo">https://youtu.be/PhVhbeU67vo</a>	<a href="#">TERPENOID S</a>  <a href="#">TANNINS</a>		
20/1/2021	VOLATILE OIL	TERPENOIDS & VOLATILE OIL	<a href="https://youtu.be/oQxMwmv4Vn0">https://youtu.be/oQxMwmv4Vn0</a>	<a href="#">VOLATILE OIL</a>		To be continued
28/1/2021	VOLATILE OIL	VOLATILE OIL	<a href="https://youtu.be/2ursjb14j-o">https://youtu.be/2ursjb14j-o</a>	<a href="#">VOLATILE OIL</a>		
4/2/2021	VOLATILE OIL & RESIN	VOLATILE OIL & RESIN	<a href="https://youtu.be/6PGMheZYVCQ">https://youtu.be/6PGMheZYVCQ</a>	<a href="#">RESIN</a>		To be continued
6/2/2021	RESIN	RESIN	<a href="https://youtu.be/MItDyhPpbVU">https://youtu.be/MItDyhPpbVU</a>	<a href="#">RESIN</a>		To be continued
9/2/2021	RESIN	RESIN	<a href="https://youtu.be/6PGMheZYVCQ">https://youtu.be/6PGMheZYVCQ</a>	<a href="#">RESIN</a>		



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			<a href="https://www.youtube.com/watch?v=e8SrekOUXb8">tu.be/e8SrekOUXb8</a>			
18/2/2021	GLYCOSIDES	GLYCOSIDES	<a href="https://www.youtube.com/watch?v=WU3elySP8dU">https://www.youtube.com/watch?v=WU3elySP8dU</a>	<a href="#">Glycoside</a>		To be continued
24/2/2021	GLYCOSIDES	GLYCOSIDES	<a href="#">CLICK HERE</a>	<a href="#">GLYCOSIDE</a>		Completed
25/2/2021	STERIODS, CARDIAC GLYCOSIDE, TRITERPENOID S	STERIODS, CARDIAC GLYCOSIDE, TRITERPENOID S	<a href="#">CLICK HERE</a>		<a href="#">DIOSCORE A</a>  <a href="#">CARDIAC GLYCOSIDE</a>	