

**SHAHID VIRPATNI LAXMI MAHAVIDYALAYA, TITAVE****Department of Analytical Chemistry****Knowledge Bank****M.Sc. Analytical Chemistry****Semester: III, M.Sc. II Year**

<b>Sr No.</b>	<b>Name of the Course</b>	<b>Subject Teacher Name</b>	<b>Link</b>
1	Organic Analysis	Miss. Dipali. B. Farakte	UV-visible Spectroscopy:
			<a href="https://www.youtube.com/watch?v=wXaCxsmeEJU">https://www.youtube.com/watch?v=wXaCxsmeEJU</a>
			IR- Spectroscopy
			<a href="https://www.youtube.com/watch?v=uPMDTxOwLyo&amp;list=PLDjIjRH6sIC599kgiMa6HaTDavgpBMifV">https://www.youtube.com/watch?v=uPMDTxOwLyo&amp;list=PLDjIjRH6sIC599kgiMa6HaTDavgpBMifV</a>
			HNMR:
			<a href="https://www.youtube.com/watch?v=aJHErmj7Z6A&amp;list=PLYXnZUqtB3K9MmJeTRJh9e9fcdq3lhA-b">https://www.youtube.com/watch?v=aJHErmj7Z6A&amp;list=PLYXnZUqtB3K9MmJeTRJh9e9fcdq3lhA-b</a>
			CNMR:
			<a href="https://www.youtube.com/watch?v=EZzYXmX8XGk">https://www.youtube.com/watch?v=EZzYXmX8XGk</a>
			Mass Spectroscopy
			<a href="https://www.youtube.com/watch?v=Owb5q1ohlYo">https://www.youtube.com/watch?v=Owb5q1ohlYo</a>
			Nanotechnology:
			<a href="https://www.youtube.com/watch?v=0EWCqCIsFOA">https://www.youtube.com/watch?v=0EWCqCIsFOA</a>
			Organic synthesis: Principles of organic synthesis, Wacker process, Ziegler Natta, Grignard Reaction, Williamson Synthesis.
<a href="https://www.youtube.com/watch?v=Vho1DYsoy-M&amp;list=PLkQL56UbsfYz1Oz81BnQsk73yo7SsqRJs">https://www.youtube.com/watch?v=Vho1DYsoy-M&amp;list=PLkQL56UbsfYz1Oz81BnQsk73yo7SsqRJs</a>			
Organic trace analysis:			
<a href="https://www.youtube.com/watch?v=qLW8xkszbNU">https://www.youtube.com/watch?v=qLW8xkszbNU</a>			
2.	Advanced Chromatography and Spectroscopic Methods	Mr. Akashay Patil	Column Chromatography I- Gas chromatography
			<a href="https://www.youtube.com/watch?v=UTpUhlInoMQ">https://www.youtube.com/watch?v=UTpUhlInoMQ</a>
			Size Exclusion Chromatography
			<a href="https://www.youtube.com/watch?v=MRCdNLJncbU">https://www.youtube.com/watch?v=MRCdNLJncbU</a>
			Column chromatography II- HPLC
			<a href="https://www.youtube.com/watch?v=wVrTH1n2wwk">https://www.youtube.com/watch?v=wVrTH1n2wwk</a>
			Super Critical Fluid Chromatography
			<a href="https://www.youtube.com/watch?v=M4iKC44VXqg">https://www.youtube.com/watch?v=M4iKC44VXqg</a>
			Advanced Spectroscopic Methods I- Mass spectrometry:
			<a href="https://www.youtube.com/watch?v=U8t6Yc63BU4">https://www.youtube.com/watch?v=U8t6Yc63BU4</a>
			Atomic Emission Spectroscopy Inductively Coupled Plasma:
			<a href="https://www.youtube.com/watch?v=JmvWb8td3tA">https://www.youtube.com/watch?v=JmvWb8td3tA</a>
			Nuclear Magnetic Resonance:
<a href="https://www.youtube.com/watch?v=r9_VKNSXf7Y">https://www.youtube.com/watch?v=r9_VKNSXf7Y</a>			

			Advanced Spectroscopic Methods II- Raman spectroscopy <a href="https://www.youtube.com/watch?v=Lar3i4bgyAM&amp;list=PLDjIJRH6sIC6mLqCSJXkGCTba37wUjdXB">https://www.youtube.com/watch?v=Lar3i4bgyAM&amp;list=PLDjIJRH6sIC6mLqCSJXkGCTba37wUjdXB</a>
			Hyphenated Methods: <a href="https://www.youtube.com/watch?v=hJEHlhWPCCY">https://www.youtube.com/watch?v=hJEHlhWPCCY</a>
			Gas Chromatography –Mass Spectrometry (GC-MS ) <a href="https://www.youtube.com/watch?v=mkCVRgfrU1Y">https://www.youtube.com/watch?v=mkCVRgfrU1Y</a>
			Tandem Mass Spectrometry (MS-MS) <a href="https://www.youtube.com/watch?v=LlV69zsOOqU">https://www.youtube.com/watch?v=LlV69zsOOqU</a>
			Introduction of Microorganisms: <a href="https://www.youtube.com/watch?v=pB26B2CXi2U">https://www.youtube.com/watch?v=pB26B2CXi2U</a>
			General Characteristics of Algae <a href="https://www.youtube.com/watch?v=YIwqBI91tWg">https://www.youtube.com/watch?v=YIwqBI91tWg</a>
			Staining method: <a href="https://www.youtube.com/watch?v=Lvmn9EYZzKQ">https://www.youtube.com/watch?v=Lvmn9EYZzKQ</a>
			Viruses <a href="https://www.youtube.com/watch?v=qzSB-T97rVs">https://www.youtube.com/watch?v=qzSB-T97rVs</a>
			Bacteria: <a href="https://www.youtube.com/watch?v=cCLjSUyUYJM">https://www.youtube.com/watch?v=cCLjSUyUYJM</a>
			Culturing of Microorganism <a href="https://www.youtube.com/watch?v=v24ECyihAk">https://www.youtube.com/watch?v=v24ECyihAk</a>
			Control of microorganism <a href="https://www.youtube.com/watch?v=wUJMqcYOfsI">https://www.youtube.com/watch?v=wUJMqcYOfsI</a>
			Food borne diseases: <a href="https://www.youtube.com/watch?v=cNixP1DwamQ">https://www.youtube.com/watch?v=cNixP1DwamQ</a>
			Water-borne diseases: <a href="https://www.youtube.com/watch?v=RzraHvNmAic">https://www.youtube.com/watch?v=RzraHvNmAic</a>
			Airborne diseases: <a href="https://www.youtube.com/watch?v=BbsKkcsIy38">https://www.youtube.com/watch?v=BbsKkcsIy38</a>
4.	Medicinal Chemistry	Miss. Dipali. B. Farakte	Antiseptic and disinfectants <a href="https://www.youtube.com/watch?v=rJphBUACHBA">https://www.youtube.com/watch?v=rJphBUACHBA</a>
			Chemotherapeutic agents <a href="https://www.youtube.com/watch?v=DeVF8Ru1rcY&amp;t=17s">https://www.youtube.com/watch?v=DeVF8Ru1rcY&amp;t=17s</a>
			Antifungal agents <a href="https://www.youtube.com/watch?v=HaT8YgHu0bE">https://www.youtube.com/watch?v=HaT8YgHu0bE</a>
			Antibiotics

			<a href="https://www.youtube.com/watch?v=KdWyyHKnoSw">https://www.youtube.com/watch?v=KdWyyHKnoSw</a>
			Sulphonamides
			<a href="https://www.youtube.com/watch?v=7CHX_c4Xu3c">https://www.youtube.com/watch?v=7CHX_c4Xu3c</a>
			Diuretics
			<a href="https://www.youtube.com/watch?v=NzdvoGZquIk">https://www.youtube.com/watch?v=NzdvoGZquIk</a>
			Miscellaneous drugs like anticoagulants and antilipemic agents.
			<a href="https://www.youtube.com/watch?v=t1zpOqfXl3Q">https://www.youtube.com/watch?v=t1zpOqfXl3Q</a>
			Diagnostic agents and pharmaceutical aids
			<a href="https://www.youtube.com/watch?v=fkmlQwktxP8">https://www.youtube.com/watch?v=fkmlQwktxP8</a>
			General anesthetics, hypnotics and sedative anti-convulsants
			<a href="https://www.youtube.com/watch?v=PW2XMm2uoGI">https://www.youtube.com/watch?v=PW2XMm2uoGI</a>
			CNS Stimulants
			<a href="https://www.youtube.com/watch?v=9xAod4o2CNA">https://www.youtube.com/watch?v=9xAod4o2CNA</a>
			Psychotherapeutics agents; major and minor tranquilizers, antidepressant
			<a href="https://www.youtube.com/watch?v=X-QCNuVWd4Y">https://www.youtube.com/watch?v=X-QCNuVWd4Y</a>
			Cholinergic stimulants and blocking agents
			<a href="https://www.youtube.com/watch?v=mjnhnKGtbd0">https://www.youtube.com/watch?v=mjnhnKGtbd0</a>
			Adrenergic stimulants and blocking agents
			<a href="https://www.youtube.com/watch?v=CDBwYhzACW4">https://www.youtube.com/watch?v=CDBwYhzACW4</a>
			Antihistamines
			<a href="https://www.youtube.com/watch?v=3zUKX11Ooug">https://www.youtube.com/watch?v=3zUKX11Ooug</a>