

SHAHID VIRPATNI LAXMI MAHAVIDYALAYA, TITAVE**Department of Analytical Chemistry****Knowledge Bank**

M.Sc. Analytical Chemistry			Semester : I			
Sr No.	Name of the Course	Subject Teacher Name	Link			
1	Analytical Chemistry Paper I	Mrs. Sugam. Chavan	Concepts of Analytical Chemistry:- https://www.youtube.com/watch?v=shWs2j7hFSg			
			Principle and Theory of Electro analytical Techniques. https://www.youtube.com/watch?v=pQdoH6WEfes			
			Scope and function of Electro Analytical Technique. https://www.youtube.com/watch?v=0E59bk6DU3E&list=PLsq9CEiIbJ4eDZxRO8r2vbafAYdcr0env			
			Volumetric Mole fraction, Molarity, Normality, Formality. https://www.youtube.com/watch?v=AO3xNVvtjsA			
			Theoretical and practical buffers concepts of formation constant calculation of ppb, ppm and dilution of the solution https://www.youtube.com/watch?v=ra0Izi6ixaE			
			Stability and instability constant. https://www.youtube.com/watch?v=rLVcP49ASAg			
			Calibration of instruments. https://www.youtube.com/watch?v=NE387jr3pXU			
			Types of equilibrium in Analytical Chemistry https://www.youtube.com/watch?v=WWO1k2iFzHk			
			Factors affecting chemical equilibrium. https://www.youtube.com/watch?v=pSDZy7jq-i0			
			Classification of Electrolytes:- https://www.youtube.com/watch?v=V1if7eSd1aI			
			Types Of equilibrium constant in Analytical Chemistry https://www.youtube.com/watch?v=J4WJCYpTYj8			
			Qualitative and quantitative method of Analysis https://www.youtube.com/watch?v=Vss5oOX4MVk			
			2	Food and Biochemical analysis	Miss. P. P Patil	Food laws Regulations and Legislation
						Food Safety and Standards Act 2006 and its regulations https://www.youtube.com/watch?v=zPdWj5YF8Kc&list=PLiUYyAds7dGjI1FgnpU02kMRGh_RtYd_&index=4
Food Safety and Standards Act and regulations 2011. https://www.youtube.com/watch?v=S-1DWkq5RfM&list=PLiUYyAds7dGjI1FgnpU02kMRGh_RtYd_&index=13						
Food Additives https://www.youtube.com/watch?v=w33tVAi59Zo						
Food Preservatives https://www.youtube.com/watch?v=fy44HNUrN8k						
Stabilizers https://www.youtube.com/watch?v=nYaoa3BnziA						

			FOOD QUALITY PARAMETERS AND COLOR
			https://www.youtube.com/watch?v=9A_VR-eZyzg
			FOOD ADULTERATION TEST
			https://www.youtube.com/watch?v=mbPeG6FX2V8&t=16s
3	Research Methodology	Miss. A. M. Vankore	Standard chemical safety protocol
			https://www.youtube.com/watch?v=HprxoCHnvno
			Access and presentation of data
			https://www.youtube.com/watch?v=_mXzy-79Mxk
			Standard Chemical safety procedure
			https://www.youtube.com/watch?v=JbzLAJZOU6g&list=PL3f_ghgGfVfltGchrTDu8QdqLcvQ-6WwE
			The Indian Atomic Energy Act, 1948
			https://www.youtube.com/watch?v=FQEZ5xCMrqc&list=PLb8zN-8LXfQD6BaL_uuhyZUogDZSgYI3o
			The Bio-Medical Waste Management Rules, 2016,
			https://www.youtube.com/watch?v=Q7wvAxDMoY
4	Drug Laws & Packaging		Pharmaceutical legislation and Regulation of drugs
			https://www.youtube.com/watch?v=HaLzAizRxo4
			drugs and cosmetics act 1940, Objective, administration of act and rules
			https://www.youtube.com/watch?v=wRa7VUhVuOI
			Pharmaceutical act 1948, Objective, administration process, function of PCI.
			https://www.youtube.com/watch?v=xxS84sWq_Zs
			Statutory status of pharmacopeia:-of pharmacopeia, Monograph, extra pharmacopeia (martindale), Penalties for drug law offenses
			https://www.youtube.com/watch?v=_AhBdYwjjM&t=52s
			Pharmacopeia-IP, Features of various Editions of Indian Pharmacopoeia, Ayurvedic pharmacopeia.
			https://www.youtube.com/watch?v=Fjy-rqS2bPo
			FSSAI-2006
			https://www.youtube.com/watch?v=TO2hDUL-WuA
			Milk and Milk Products Order, 1992
			https://www.youtube.com/results?search_query=Milk+and+Milk+Products+Order%2C+1992
			Certification Marks issued For Different Products AGMARK
			https://www.youtube.com/watch?v=X_zTlzpfaaw
			ISO (International Organization of Standardization):- Objective, ISO standards
			https://www.youtube.com/watch?v=hFPKScfEq38