Course: Undergraduate

Subject: Chemistry

Nomenclature of Paper:

Total topics as per syllabus:

University:

Class

Semester

Name of resource person

name of Unit	Topic	source of Lecture	Link of Lecture	name of resource person	Time Duration of Lecture	Test	Link of Test	Time duration of test

Course: Undergraduate							Class	B. Sc.-II	
Subject: Chemistry							Semester	III	
Nomenclature of Paper:	In-Organic Chemistry						Name of resource person		Dr. Nitya Sharma
Total topics as per syllabus:	11								
University:	K.U.K								

name of Unit	Topic	source of Lecture	Link of Lecture	me of resource perse	Duration of Lect	Test	Link of Test	me duration of test
	Definition of transition elements, position							2:40
SECTION- A CHEMI		CH-08 Aryabhatt	https://www.youtube.com/watch?v=UbDvWARaVOU	Dr. Rajindrasinh Jac	26 minute 38 secs		https://youtu.be	
	General characteristic properties of d-Block elements		https://www.youtube.com/watch?v=fZ4s7LKj1d4	Dr. Rajindrasinh Jac	21 minute 53 secs	https://youtu.be/bks5X4		2:11
			https://www.youtube.com/watch?v=JAVODjnYiYs	Dr. Rajindrasinh Jac	21 minute 52 secs			
	Comparison of properties of 3d elements w	CH-08 Aryabhatt	**https://www.youtube.com/watch?v=OSCEonqG_1k&t=**	Dr. Rajindrasinh Jac	25 minute 28 secs			
			https://www.youtube.com/watch?v=wp21JacYs8g	Dr. Rajindrasinh Jac	32 minute 34 secs	**https://youtu.be/os5ksI**		1:55
			https://www.youtube.com/watch?v=LbMmbclK1wk&t	Dr. Rajindrasinh Jac	25 minute 44 secs		https://youtu.be/ _	1:36
			https://www.youtube.com/watch?v=f5SSk3TdhnM	Dr. Rajindrasinh Jac	27 minute 34 secs	**https://youtu.be/2fNAz**		1:29
	Stability of various oxidation states and e.r	https://ndl.iitkgp/	http://ndl.iitkgp.ac.in/document/YkxlRXFvZXJrTDBkVz	Prof. Debashish Ray	48 minute 28 secs		https://youtu.be	1:34
	Structure and properties of some compoun	NOT AVAILABI	NOT AVAILABLE	NOT AVAILABLE			https://youtu.be	1:02

SECTION- B. COO	Werner's theory of coordination compoun	https://ndl.iitkgp/	http://ndl.iitkgp.ac.in/document/MjdKa0pMVkVPWkZTc	Someone from IIT I	13 min 10 sec			
			http://ndl.iitkgp.ac.in/document/N3J5aUZXK2lyTGYzZk		10 min 57 sec			
			https://www.youtube.com/watch?v=C3zaH-yY_ek&list=I		57 min 43 sec		https://youtu.be/J	1:02
	Chelates	CEC youtube cha	C3zaH-yY_ek&list=PLNsppmbLKJ8JPOzDXMSo5G4atPnMV	Dr. Navneet Manav, Dyal Singh College, University			https://youtu.be/l	0:57
	Effective atomic number	CEC Youtube ch	https://www.youtube.com/watch?v=R2BbuesUnvc&list=E	Dr. Navneet Manav	1 hr 4 sec	https://youtu.be/H4zB7		1:33
	Nomenclature of coordination compounds	https://ndl.iitkgp/	http://ndl.iitkgp.ac.in/document/UDl0K2xwUjRWTnIyNE	Someone from IIT I	13 min 11 sec			
			http://ndl.iitkgp.ac.in/document/RkRKVU9nVU51MVpL		13 min 03 sec			
			http://ndl.iitkgp.ac.in/document/RjlSWk1jWHMyK3g2W		16 min 36 sec			
			http://ndl.iitkgp.ac.in/document/cFFjcVFaMmR2Tlp4OE		06 min 39 sec		https://youtu.be	1:24
	Isomerism in coordination compounds	https://ndl.iitkgp/	http://ndl.iitkgp.ac.in/document/TEJQWXkrZnZaRUdxRj	Someone from IIT I	20 min 27 sec	https://youtu.be/Q_aX6l		
			http://ndl.iitkgp.ac.in/document/d3dYcXdjWjk4QWdOV		19 min 48 sec			1:15
	Valence bond theory of transition metal co	https://ndl.iitkgp/	http://ndl.iitkgp.ac.in/document/dmtXMCtZUExJUE1qTk	Someone from IIT I	17 min 12 sec			
			http://ndl.iitkgp.ac.in/document/L3M2MWhNYkt4d1hHc		16 min 10 sec			
			http://ndl.iitkgp.ac.in/document/K2JtaXFJelZ5ZWpHZX		03 min 39 sec		https://youtu.be	1:23
SECTION- B NON-AQUEOUS SOLVENTS								
	Physical properties of solvents, types of so	CH-08 Aryabhatt	https://www.youtube.com/watch?v=9HTxnTCxc7c	Dr. Vibha Kumar, G	37 minute 51 secs		https://youtu.be	1:38
	Reactions in non aqueous solvents with re	CH-08 Aryabhatt	https://www.youtube.com/watch?v=sioipWVnhKo	Dr. Vibha Kumar, G	39 minute 46 secs	https://youtu.be/sK0-zi		1:27

Course: Undergraduate								Class	
Subject: Chemistry								Semester	
Nomenclature of Paper:								Name of resource person	
Total topics as per syllabus:									
University:									
	Name of Unit	Topic	Source of Lecture	Link of Lecture	name of resource person	Time Duration of Lecture	Test	Link of Test	Time duration of test (mm:ss)
	Atomic Structure	Review of Bohr Theory and its limitation	e-Content courseware in UG subjects http://cec.nic.in/cec/	https://youtu.be/VMm8V1-ZSPA	Dr. Amita Dua	0:57:09	https://drive.google.com/file/d/1A1sIeFfU0zQwJb-ZAG2w5-tK0tHTgPjp/view?usp=sharing	https://youtu.be/LoqEvST-XP0	0:44
	Atomic Structure	Dual behaviour of matter and radiations, de-Broglie relation	NPTEL	https://youtu.be/Iaq2kcrxuWU	Prof. K. Mangala Sunder	16:08	https://drive.google.com/file/d/1cgYjUkoccF2ZPNCrkk8c63FMf81SFpIc/view?usp=sharing	https://youtu.be/CbTr93ISYj8	0:38
	Atomic Structure	Heisenberg's Uncertainty Principle	NPTEL	https://youtu.be/rfUefZEGy4U	Prof. K. Mangala Sunder	17:18	https://drive.google.com/file/d/1pT8cI9WjEh5utLRmNmCcQ4doijRH4qlq/view?usp=sharing	https://youtu.be/xAb8KU8Hle0	1:04
	Atomic Structure	Hydrogen Atom spectra	http://cec.nic.in/cec/	https://youtu.be/asorYLxbIJ4	Dr. Rita Kakkar	0:58:52	https://drive.google.com/file/d/1BLVgH3aq40-4p-GWjkexcfNNm1_BSRg0/view?usp=sharing	https://youtu.be/q2KkKn3CPus	1:13
	Atomic Structure	Radial and angular solution	e-Content courseware in UG subjects	https://youtu.be/Gp-lJrvF2QM	Prof. K. Mangala Sunder	22:02	https://drive.google.com/file/d/1gWqNFaEcki8-NDf9oeKyGWuxWjs9vZIX/view?usp=sharing	https://youtu.be/9mdBFxNaMUo	0:49
	Atomic Structure	Radial and angular nodes, nodal planes, Radial distributions	http://cec.nic.in/cec/	https://youtu.be/TnRpryYp4dE	Dr. Amita Dua	0:47:03	https://drive.google.com/file/d/1Gkswixgw8BzI3lT7W3GA1lucVmr6QiLu/view?usp=sharing	https://youtu.be/XUdSINCwHiQ	0:45
	Atomic Structure	quantum numbers	e-Content courseware in UG subjects	https://youtu.be/Se_ncKSuJi8	Dr. Amita Dua	0:56:14	https://drive.google.com/file/d/1hFR35m2Zhw42DFtv6W7Wk9ZUa4ylSW7z/view?usp=sharing	https://youtu.be/I4ToTgJ3VBk	1:58
	Chemical Bonding	Metallic bonding	ugcmoocs	https://youtu.be/fT9NsnQz6S8	Dr Sanjeev kumar	0:31:14	https://drive.google.com/file/d/1hDcpmxBO0AXYjeLUIXtdOzUe2owXCpH0/view?usp=sharing	https://youtu.be/H9LZl1lBxLU	1:59
	Chemical Bonding	BENT RULE	ugcmoocs	https://youtu.be/1jRo5fTg0KY	Dr Smriti sharma	0:26:28	https://drive.google.com/file/d/1tE-o_dyoQLksEbO1aX05GdFYWubRfIw-/view?usp=sharing	https://youtu.be/WGW-Dpm22p0	0:17
	Chemical Bonding	Lattice energy and its determination	ugcmoocs	https://youtu.be/tBN2l2pcTOM	Dr Sanjeev kumar	0:31:08	https://drive.google.com/file/d/1FRX8nbWtkYEhWnLMBdaiCcN7gSWBV_j-/view?usp=sharing	https://youtu.be/OJTGnfFOWeo	1:13
	Chemical Bonding	Valance bond theory	ugcmoocs	https://youtu.be/9mJfSAFw2mA	Dr Sanjeev kumar	0:30:35	https://drive.google.com/file/d/1wFA5iHgRS_EvBIupvSp7ZX9UIaMXkdXh/view?usp=sharing	https://youtu.be/xIvPNJ9L5Jo	1:47
	Chemical Bonding	MOT (Basics)	ugcmoocs	https://youtu.be/v3hbAfNHeEc	Dr Sanjeev kumar	0:33:37	https://drive.google.com/file/d/1fNluyvBMwNbBDrmPDN-S00tZmRT3mk0l/view?usp=sharing	https://youtu.be/1f_vKBhjKts	1:54
	Ionic Solids	Ionic Solids Introductions	NPTEL	**https://www.digimat.in/nptel/courses/video/113104076/L20.html**	Dr. Ashish Garg	0:30:29			
	Ionic Solids	Radius Ratio Rule and Coordination Number	NPTEL	**https://www.digimat.in/nptel/courses/video/113104076/L21.html**	Dr. Ashish Garg	0:28:57			
	Ionic Solids	Formation of Ionic Solids examples- NaCl, ZnS, CaF2	NPTEL	**https://www.digimat.in/nptel/courses/video/113104076/L22.html**	Dr. Ashish Garg	0:31:48			
	Ionic Solids	Schottky and Frenkel Defects	NPTEL	**https://nptel.ac.in/courses/113/104/113104081/**	Prof. Shashank Shekhar	0:29:27			

Course: Undergraduate		Class B.Sc. 1 year
Subject: Chemistry		Semester 1st sem
Nomenclature of Paper:	Physical Chemistry CH-102	Name of resource person: Dr. Ekta Arora, Ms. Ankita Mann
Total topics as per syllabus	19	
University:	K.U.K, M.D.U.,C.D.L.U.	

name of Unit	Topic	source of Lecture	Link of Lecture	name of resource person	uration of L	Test	Link of Test	duration of test
Solid State	Classification of solids and Law of crystallography	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/xEVTaOYxil8	Dr. Sanjeev Kumar	28.18	https://docs.google.com/document/d/1tR8wxMG8uMTYHtmWpeKKViG-1hgQFePLpACSfF-n7uk/edit?usp=sharing	https://youtu.be/VF6yATRfMD8	3min13sec
Solid State	Symmetry elements of crystals	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/axzmqRHcmcI	Dr. Sanjeev Kumar	31.23	https://docs.google.com/document/d/1b59JaGY8T-mel81jGXm1eZ-7z5whbyzsKCnq7aXWuug/edit?usp=sharing	https://youtu.be/DJn0_iZJzTI	1min12 sec
Solid State	Definition of Unit cell and space lattice	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/ztw-osPIrSE	Dr. Sanjeev Kumar	30.14	https://docs.google.com/document/d/1djEVneJgLvkzeCGeacv5w2Iz3SQk6jai1avVRm9dN74/edit?usp=sharing	https://youtu.be/IqDkK6RpCuI	2min6sec
Solid State	Bravais lattices	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/ZXqjx0a1tBA	Dr. Sanjeev Kumar	28.49	https://docs.google.com/document/d/1vxDfRiH16bL0xYjPzyzaBjVbgKY82Xg70lv36kV8HpM/edit?usp=sharing	https://youtu.be/I8UQEB_K9Lk	1min11sec
Solid State	Crystal system, Miller Indices and interplanar distance	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/7essOGFNCRQ	Dr. Sanjeev Kumar	31.18	https://docs.google.com/document/d/1EhTTMpkphTzCdTOU9e5F35x1ciDTeZS6Ppj8PHfAb-Y/edit?usp=sharing	https://youtu.be/a1nAUV5wRgo	2min31sec
Solid State	Structure of some Metallic and Ionic Solids	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/rm0NCgqDKB8	Dr. Sanjeev Kumar	32.55	https://docs.google.com/document/d/1SPVl5Ls9CLMQkMnus8wAO-VGhxRoVi7_MH6MRvrNNtA/edit?usp=sharing	https://youtu.be/nPOVxk_4J-Q	1min15sec
Solid State	X-ray diffraction by crystals	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/-OlqjK1Lw1I	Dr. Sanjeev Kumar	32.07	https://docs.google.com/document/d/16Qml5i2LkOFxjo3gRjYcfK5ZurGpca0IFVjfI28JSUk/edit?usp=sharing	https://youtu.be/3zuDdLVwJS8	1min6sec
Solid State	Derivation of Bragg equation	https://nptel.ac.in/	https://youtu.be/Upwdsx_QjWE	Prof. Madhav Ranganathan	33:43:00	https://docs.google.com/document/d/1dJkwgdf1CEfNXera_693D9Ra0ibYvaX1eY8xmtyjhm8/edit?usp=sharing	https://youtu.be/QIU_Hy1fWwA	1min54sec
Gaseous State	Gaseous state, gas laws & ideal gas equation.	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/Lh9Qc-Tx4J4	Dr. Tanuja Nautiyal	17.24	https://docs.google.com/document/d/10tSq8QLaJpoB-Y26nm28wutWmG7wmA7rTsMRGDdM5xA/edit?usp=	https://youtu.be/67h4EPFQmwA	1min 1 sec
Gaseous State	Maxwell's distribution of velocities & energies	https://nptel.ac.in/	https://youtu.be/eaOAuCG_92Q	Dr, B.K. Patra	42:03:00	https://docs.google.com/document/d/1bppZKwjfnfPM4kBGKphe5mkH0t5kPFH5FHDOWvucAz0/edit?usp=s	https://youtu.be/v5bRIHrz2Jc	1 min 6 sec
Gaseous State	Calculation of rms, average velocity & most probable velo	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/2Sfz9kWt4ao	Dr. Tanuja Nautiyal	29.4	https://docs.google.com/document/d/1GlcKPsQwPDI1_RsWjWg1z-kKbF1ftWRY3gjIOD6FX2A/edit?usp=sha	https://youtu.be/yXE3m3c39kA	1 min 10 sec
Gaseous State	Collision diameter, collision number, collision frequency &	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/kiUYq6ErFHQ	Dr. Tanuja Nautiyal	26.21	https://docs.google.com/document/d/1RVgloK8wQsWsvNM4l0VH4VR6PC316IXNyCW8HzPvggg/edit?usp=s	https://youtu.be/Nnyz9J-guRM	1 min 10 sec
Gaseous State	Deviation of Real gases from ideal behaviour.	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/E5RHYIRaaB4	Dr. Tanuja Nautiyal	21:11	https://docs.google.com/document/d/1Df0DjYoZmM3RZTBFwXnqSsy9GPJhBApvBsfvqJbDA1M/edit?usp=sh	https://youtu.be/Yckmbuakvek	1 min
Gaseous State	Excluded Volume. Boyles's temperature. Explanation	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/Tr64daWwcr8	Dr. Tanuja Nautiyal	19:49	https://docs.google.com/document/d/1UesWHuosDTILdlJ_DTCm4QDIGFgP0kcEEoXbZsIJ64g/edit?usp=sha	https://youtu.be/o2FUdGKDhjw	1 min 2 sec
Gaseous State	Critical constants,Vander Waal equation and critical	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/p0BbtkM4zTc	Dr. Tanuja Nautiyal	22:19	https://docs.google.com/document/d/1pUl3MpRr9mCFDJjRtuGkI9aZOxODCyF51BC0hG6y3Ts/edit?usp=sha	https://youtu.be/cSn_CvUagkc	1min29sec
Gaseous State	PV Isotherm of real gases. Liquifaction of gases. Linde's process. .	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/137kl__Dipg	Dr. Tanuja Nautiyal	24.48	https://docs.google.com/document/d/1Fq0EuKz0zF1FxQ1AatSWkwmuOhC3t01fr6d2x1sW5JU/edit?usp=sha	https://youtu.be/hlLJs1elJg4	1 min
Liquid State	Intermolecul ar forces	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/uCXZtGRqsyM	Dr. Harsvardhan Pant	21:44	https://docs.google.com/document/d/1sQTuZQTWeYQKlugR04kYZi1FejaE_zrjAhNKebaqo_I/edit?usp=sharin	https://youtu.be/TDEhH4SGB-A	54sec
Liquid State	Liquid state	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/3gfM_AtGaGQ	Dr. Harsvardhan Pant	19:16	https://docs.google.com/document/d/19frje7uoIm6Qm0YCJbz4BYTeSC5r0MGbCmDnOwZ0Bj0/edit?usp=sh	https://youtu.be/wnFoaEbFJVQ	1min17sec
Liquid State	Liquid crystals	http://vidyamitra.inflibnet.ac.in/	https://youtu.be/84NCQWusWF0	Dr. Harsvardhan Pant	31:46:00	https://docs.google.com/document/d/1Mg1BU2_2dU_p5_NpY_rtxBf_pxm7F4JmSKqJrJ4-WlY/edit?usp=sha	https://youtu.be/ACjrQfbCZtM	51sec

Course: Undergraduate								Class	bsc-2
Subject: Chemistry								Semester	3
Nomenclature of Paper:		ccl-304						Name of resource person	
Total topics as per syllabus:		23							
University:		gjust, hisar							
	name of Unit	Topic	source of Lecture	Link of Lecture	name of resource person	Time Duration of Lecture	Test	Link of Test	Time duration of test

Course: Undergraduate						Class	B.Sc.	
Subject: Chemistry						Semester	3rd Semester	
Nomenclature	Organic Chemistry					Name of resource person	Dr. Mukesh Rani, Ms. Seema Rani	
Total topics as per syllabus:								
University:								
	Topic	source of Lecture	Link of Lecture	e of resource pere	Duration of Lec	Test	Link of Test	Time duration of test
	Alcohols-I	National Digital Library	https://www.you	Dr. Madhuri Goy Associate Profes Deshbandu Coll University of De	29:40:00	Test -1	https://youtu.be/SB36IvvH	1.39
	Alcohols-I	National Digital Library	http://ndl.iitkgp.ac	Dr. Vandana Kum	49:32:00			
				Assistant Professor, Department of Chemistry, Dayal Singh College, University of Delhi				
	Alcohols-II	National Digital Library	http://ndl.iitkgp.a	Dr. Vandana Kum	55:44:00	Test -2	https://youtu.be/gEmNFlBxal	1.24
				Assistant Professor, Department of Chemistry, Dayal Singh College, University of Delhi				
	Dihydric Alcohols	SWAYAMPRABHA	https://www.you	Dr. Madhuri Go Associate Prof Deshbandu Co	20:32	Test -3	https://youtu.be/ZXldD_jV	0.57
	Pinacol –Pinacolone Rearra	SWAYAMPRABHA	https://www.you	Dr. Madhuri Go Associate Prof Deshbandu Co	24:35:00	Test -4	https://youtu.be/bAGIkUrl	0.3
	Ethers and Epoxides-I	SWAYAMPRABHA	https://www.you	Dr. Madhuri Go Associate Prof Deshbandu Co	39:25:00	Test -5	https://youtu.be/ehUofuyC	0.47
	Ethers and Epoxides-II	SWAYAMPRABHA	https://www.you	Dr. Madhuri Go Associate Prof Deshbandu Co	27:28:00	Test -6	https://youtu.be/qjXXr0od	1.01
	Ethers and Epoxides-III	SWAYAMPRABHA	https://www.you	Dr. Madhuri Go Associate Prof Deshbandu Co	32:34:00	Test -7	https://youtu.be/FEupflGlv	0.57
	Phenols-I	SWAYAMPRABHA	https://www.you	Dr. Madhuri Go Associate Prof Deshbandu Co	21:14	Test -8	https://youtu.be/1ulPn4p_	0.47
	Phenols-II	SWAYAMPRABHA	https://www.you	Dr. Madhuri Go Associate Prof Deshbandu Co	28:23:00	Test -9	https://youtu.be/jwMOWjj	0.47
	Phenols-III	SWAYAMPRABHA	https://www.you	Dr. Madhuri Go Associate Prof Deshbandu Co	29:48:00	Test -10	https://youtu.be/6o-JcGRz	1.16
	Phenols-IV	SWAYAMPRABHA	https://www.you	Dr. Madhuri Go Associate Prof Deshbandu Co	30:04:00	Test -11	https://youtu.be/JZMcfkCl	0.57
	Ultraviolet (UV) Absorption	CEC, New Delhi, India	http://ndl.iitkgp.a	Dr. Sanjiv Kuma School of Scie	58:41:00	Test -12	https://youtu.be/BkrZ53iH	0.59
	Ultraviolet (UV) Absorption	CEC, New Delhi, India	http://ndl.iitkgp.a	Dr. Sanjiv Kuma School of Scie	53:45:00	Test -13	https://youtu.be/DeOL3lla	0.58
	Ultraviolet (UV) Absorption	CEC, New Delhi, India	http://ndl.iitkgp.a	Dr. Sanjiv Kuma School of Scie	1:01:07	Test -14	https://youtu.be/qjChXZe0	1.07
	Carboxylic Acids-I	SWAYAMPRABHA]	https://www.you	Dr. K.K. Arora Associate Prof Zakir Husain D	26:53:00	Test -15	https://youtu.be/fpN_nkw-	1.07
	Carboxylic Acids-II	SWAYAMPRABHA]	https://www.you	Dr. K.K. Arora Associate Prof Zakir Husain D	35:55:00	Test -16	https://youtu.be/8M7XIvk	1.11
	Carboxylic Acids-III	SWAYAMPRABHA]	https://www.you	Dr. K.K. Arora Associate Prof Zakir Husain D	26:56:00	Test -17	https://youtu.be/r4T0b7Ce	1
	Carboxylic Acids-IV	SWAYAMPRABHA]	https://www.you	Dr. K.K. Arora Associate Prof Zakir Husain D	32:51:00	Test -18	https://youtu.be/yflAmqA	1.11
	Carboxylic Acids-V	SWAYAMPRABHA]	https://www.you	Dr. K.K. Arora Associate Prof Zakir Husain D	30:32:00	Test -19	https://youtu.be/Rn47fvr7	0.3
	Carboxylic Acids Derivati	SWAYAMPRABHA	https://www.you	Dr. K.K. Arora Associate Prof Zakir Husain D	35:19:00	Test -20	https://youtu.be/UugM4i7	0.5
	Carboxylic Acids Derivati	SWAYAMPRABHA	https://www.you	Dr. K.K. Arora Associate Prof Zakir Husain D	28:55:00	Test -21	https://youtu.be/nVdX6an	1.11
	Carboxylic Acids Derivati	SWAYAMPRABHA	https://www.you	Dr. K.K. Arora Associate Prof Zakir Husain D	35:42:00	Test -22	https://youtu.be/Wr-PLGV	0.39

Course: Undergraduate

Subject: Chemistry

Nomenclatu **CH-303**

Total topics as per syllabus: 15

University: KUK

Class B.Sc 3rd Year

Semester 5th Sem

Name of resource person Dr. Poonam

name of Unit	Topic	source of Lecture	name of resource person	Time Duration of Lecture	Test	Link of Test	ime duration of test	Link of Lecture
NMR Spectroscopy	NMR Spectroscopy Part-1	CEC EduSat	Dr. Vandana Assistant Professor Dayal S	1:00:00	Test 1	https://drive.google.com/file/d/1VoMgfPOHv_2OF7EZ3rw_6j6	1.32	http://ndl.iitkgp.ac.in/document/Qkh4R2FGUkRNZjFicFUvWmpzQ2loU05nWVpuRVAyVHNYNmFRMHM5RU82L1ZOU3d2OGI2VnhQNjgxRHh4TGtWKw
	Numerical problems on chemical shift	SWAYAMPRABHA	Dr. Sanjiv Kumar Associate Professor IGNOU	31:05:00	Test 2	https://drive.google.com/file/d/12Rjnqn_R2q101GxkF92GaFBI	1.15	https://www.youtube.com/watch?v=ItshmuWOMmA&list=RDCMUCBMvdXXJ7BcZcTKGPj9WxKg&start_radio=1&t=0
	NMR Specroscopy Part -2	SWAYAMPRABHA	Dr. Sanjiv Kumar Associate Professor IGNOU	31:51:00	Test 3	https://drive.google.com/file/d/1cCX1-lwNdhix3hFibfT7u1WO6DVJYA	1.26	https://www.youtube.com/watch?v=ItshmuWOMmA
Carbohydrates	Carbohydrates Introduction, Classification, Nomenclat	SWAYAMPRABHA	Dr. K.K. Arora Associate Professor , Zakir	32:22:00	Test 4	https://drive.google.com/file/d/1Q82Ldvp7HOBI-NEWLuDqT	1	https://www.youtube.com/watch?v=9irigkpJyYo
	D-(+) Glucose	SWAYAMPRABHA	Dr. K.K. Arora Associate Professor , Zakir	31:51:00	Test 5	https://drive.google.com/file/d/1AiOlfRnIohLxbGkKH77PnrkS	0.44	https://www.youtube.com/watch?v=chasw5Ib98U
	Configuration of monosaccharides and n	CEC EduSat	Dr. Vandana Assistant Professor Dayal S	59:51:00	Test 6	https://youtu.be/3BQ-1Yi_So8	0.55	http://ndl.iitkgp.ac.in/document/Qkh4R2FGUkRNZjFicFUvWmpzQ2loU05nWVpuRVAyVHNYNmFRMHM5RU82L1FjSWhaVS9xZ2pVa
	D-(+) Fructose	National Digital Libr	Dr. Aprajita Chahuan, Assoc	59:17:00	Test 7	https://drive.google.com/file/d/10Pt6xoMzHM0UjRzV3rlhjgV2	0.43	http://ndl.iitkgp.ac.in/document/Qkh4R2FGUkRNZjFicFUvWmpzQ2loU05nWVpuRVAyVHNYNmFRMHM5RU82OHJkNy83dUJERlpxVkpGTno0Z0dkNA
	Conversion of glucose into fructose	Nptel	Prof. S. Dasgupta Dept of Chemistry IIT Khar	52:48:00	Test 8	https://drive.google.com/file/d/14nasJGjhVElzupYjLWXtU7M	0.46	https://www.youtube.com/watch?v=iuW3nk5EADg
	Conversion of glucose into mannose	CEC EduSat	Dr. Vandana Assistant Professor Dayal S	59:52:00	Test 9	https://drive.google.com/file/d/1qW7n25UgYxiAVlIKa6QHuds	0.28	http://ndl.iitkgp.ac.in/document/Qkh4R2FGUkRNZjFicFUvWmpzQ2loU05nWVpuRVAyVHNYNmFRMHM5RU82L1FjSWhaVS9xZ2pVak5sZVNnOHhoRQ
	Conformations	Nptel	Prof. S. Dasgupta Dept of Chemistry IIT Khar	52:48:00	Test 10	https://drive.google.com/file/d/1Kt5VWUsenmqOgARjuKYCi	0.39	https://www.youtube.com/watch?v=iuW3nk5EADg
	Glycosides, Determination of ring size, I	Youtube	Dr. K.K. Arora Associate Professor , Zakir	58:38:00	Test 11	https://drive.google.com/file/d/1bd9MVCl8HnYlojNdEWRF96	1.22	http://ndl.iitkgp.ac.in/document/Qkh4R2FGUkRNZjFicFUvWmpzQ2loU05nWVpuRVAyVHNYNmFRMHM5RU82OVovUlRIeHZVL1VS
Orangometallic comp	Organometallic compounds	Youtube	Prof. Debabrata Maiti Department of chemistry, II	22:31	Test 12	https://drive.google.com/file/d/1GVXowp28VtRU9YgRXqrhat	0.49	https://nptel.ac.in/courses/104/101/104101079/
	Organomagnesium compounds	SWAYAMPRABHA	Dr. Sandeep Negi Assistant Professor SGRR (	18:36	Test 13	https://drive.google.com/file/d/1HK6xzTAMsifNHsiV5wP0Mk	1.27	https://www.youtube.com/watch?v=1HwUemnjCjM
	Organolithium Compounds	SWAYAMPRABHA	Dr. Madhuri Goel Associate Professor Deshbandhu college, Unive	33:19:00	Test 14	https://drive.google.com/file/d/1FERoCc7Uin8TvtFpdvahYOY	0.5	https://www.youtube.com/watch?v=x1oSODwwIco
	Organozinc compounds	SWAYAMPRABHA	Dr. Madhuri Goel Associate Professor Deshbandhu college, Unive	30:32:00	Test 15	https://drive.google.com/file/d/1Mm34Q47yFKUYuh02ajZZZN	0.46	https://www.youtube.com/watch?v=Mquf4BmZ2B8

Course: Undergraduate								Class BSc III		
Subject: Chemistry								Semester 5th		
Nomenclature of Paper:	Inorganic Chemistry CH 301							Resource Person	Dr Beena Sethi	
Total topics as per syllabus	5									
University:	MDU/KU/CDLU									

	Name of Unit	Topic	Source of Lecture	Link of Lecture	Resource person	Duration of Lec	Test	Link of Test	ne duration of test
	Metal Ligand Bonding in Transition Metal Complexes	Bonding in Complexes	YouTube	https://youtu.be/Gd0iy8kOdzM	Dr Beena Sethi	29:03:00	Test 1	https://youtu.be	2:42
		CFT for Octahedral Complexes	YouTube	https://youtu.be/ARxNc3y81uY	Dr Beena Sethi	29:56:00	Test 2	https://youtu.be	3:09
		CFT for Tetrahedral Complexes	YouTube	https://youtu.be/v9CA87vAsgg	Dr Beena Sethi	29:58:00	Test 3	https://youtu.be	3:06
		CFT for Tetragonal square planar Trigonalbipyramidi	YouTube	https://youtu.be/BaY0XXjTWGc	Dr Beena Sethi	26:29:00	Test 4	https://youtu.be	3:12
		Factors affecting CFSE Magnetic & Spectral Properti	YouTube	https://youtu.be/AJF1N-59jpo	Dr Beena Sethi	27:09:00	Test 5	https://youtu.be	3:41

CEC e Content

Name of Unit	Topic	Source	Duration	Link of video	Resource person	Test	Link of test	Duration of test
Metal Ligand Bonding in Transition Metal Complexes	Metal Ligand Bor	http://cec.nic.in/cec/curriculum_class	26:25 (4:32 + 10:27	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Metal-Ligand%20Bonding%20in%20Transition%20Metal%20Complexes%20-%201/main.swf	Namita Agarwal	1	https://www.you	2:58
	Metal Ligand Bor	http://cec.nic.in/cec/curriculum_class	30:38 (7:24 + 8:31 -	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Metal-Ligand%20Bonding%20in%20Transition%20Metal%20Complexes%20-%202/main.swf	Namita Agarwal	2	https://www.you	2:06
	Metal Ligand Bor	http://cec.nic.in/cec/curriculum_class	20:49 (10:51 + 2:41	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Metal-Ligand%20Bonding%20in%20Transition%20Metal%20Complexes%20-%203/main.swf	Namita Agarwal	3	https://www.you	2:15
	Metal Ligand Bor	http://cec.nic.in/cec/curriculum_class	21:54 (3:50 + 4:18 -	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Metal-Ligand%20Bonding%20in%20Transition%20Metal%20Complexes%20-%204/main.swf	Namita Agarwal	4	https://www.you	2:24
	Magnetic Proper	http://cec.nic.in/cec/curriculum_class	34:08 (9:05 + 4:13 -	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Magnetic%20properties%20of%20transition%20metal%20complexes%20-%201/main.swf	Hitendra Singh	5	https://www.you	1:43
Thermodynamic and Kinetic Aspects of Metal Complexes	Magnetic Proper	http://cec.nic.in/cec/curriculum_class	31:36 (2:08 + 14:34	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Magnetic%20properties%20of%20transition%20metal%20complexes%20-%202/main.swf	Hitendra Singh	6	https://www.you	2:32
	Electron Spectra	http://cec.nic.in/cec/curriculum_class	16:30 (01:46 + 03:0	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Electron%20spectra%20of%20transition%20metal%20complexes%20-%201/main.swf	Hitendra Singh	7	https://www.you	2:13
Magnetic Properties of Transition Metal Complexes	Electron Spectra	http://cec.nic.in/cec/curriculum_class	18:09 (04:35 + 5:50	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Electron%20spectra%20of%20transition%20metal%20complexes%20-%202/main.swf	Hitendra Singh	8	https://www.you	2:25
	Electron Spectra	http://cec.nic.in/cec/curriculum_class	28:26 (6:59 + 3:07 -	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Electron%20spectra%20of%20transition%20metal%20complexes%20-%203/main.swf	Hitendra Singh	9	https://www.you	2:29
Electronic Spectra of Transition Metal Complexes	Thermodynamic	http://cec.nic.in/cec/curriculum_class	19:26 (00:46 + 1:19	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Thermodynamic%20and%20Kinetic%20Aspects%20of%20Metal%20Complexes-1/main.swf	R.Jadeja	10	https://www.you	2:02
	Thermodynamic	http://cec.nic.in/cec/curriculum_class	19:34 (01:03 + 4:18	http://14.139.13.96:8080/eFiles/Module/CHEMISTRY/Thermodynamic%20and%20Kinetic%20Aspects%20of%20Metal%20Complexes-2/main.swf	R.Jadeja	11	https://www.you	1:48

All links are opening, audio & video is of good quality.

Course: Undergraduate		Class	B.Sc._III
Subject: Chemistry		Semester	V
Nomenclature of Paper:	Physical Chemistry	Name of resource person	Dr. Nitya Sharma
Total topics as per syllabus:	8		
University:	K.U.K		

name of Unit	Topic	source of Lecture	Link of Lecture	name of resource person	Duration of Lec	Time duration of test	Link of Test
	Need of quantum mechanics, de Bro	CEC	https://youtu.b e/-6-i-nP59f0	Prof. Rita Kakkar, Professor of Chemistry, Deptt. Of Chemistry, University of Delhi			
	Electromagn etic radiation, Black bod operators	CEC	https://youtu.b e/kCMCn3rSl3Q	-do-			
	Wave function, Hermitian operator, e function	CEC	https://youtu.b e/Vja5RFSqCM4	-do-		1:11:00	https://youtu.be/HCXPw-UHRIY
	Postulates of quantum mechanics, H Principle	CEC	https://youtu.b e/CSang2re37c	-do-		1:03:00	https://youtu.be/kp9hI1VY8vU
	Particle in 1D box	CEC	https://youtu.b e/2ZxJuaWp0z4	-do-		1:28	https://youtu.be/8TzxSMid1VI
	Radial wave function and	CEC	https://youtu.b e/TnRpryYp4dE	-do-		1:10:00	https://youtu.be/ZDkmWfRnbTk
	Spectroscopy -Introduction , EMR, Molecular energy level, Absorption a spectrum	CEC	https://youtu.b e/Xlr9hjBzONc	Dr. Sanjiv Kumar, Professor, School of Science, IGNOU		1:12:00	https://youtu.be/XgNyQfC2wIY
	Rigid rotor and Simple harmonic osci	CEC	https://youtu.b e/SK-j1jGqJkA	Dr. Amita Dua, Assistant Professor, Deptt. Of Chemistry, Dyal Sing Delhi,		1:28:00	https://youtu.be/OluWO7BL1CE
	Molecular energy level , numerical o , intensity of spectral lines	CEC	https://youtu.b e/FrIfkR_p1Qo	Prof. Rita Kakkar, Professor of Chemistry, Deptt. Of Chemistry, Un Delhi,		1:18:00	https://youtu.be/nEPHTNKvgX8
	Spherical top molecules, vibrational s , selection rules, Zero point energy, A modes,	CEC	https://youtu.b e/qCbIDmF92gA	-do-		1:14:00	https://youtu.be/jILE9Timdh4

Course: Undergraduate	Class
Subject: Chemistry	Semester
Nomenclature of Paper:	Name of resource person
Total topics as per syllabus:	
University:	

name of Unit	Topic	source of Lecture	Link of Lecture	Time Duration of Lecture	Test	Link of Test	Time duration of test