

Vinayak Vidnyan Mahavidyalaya, Nandgaon (Khandeshwar)

Online Teaching Material

Department of Chemistry

B.Sc.I Semester I

Sr. No	Syllabus Topics	Link	Format	Credit
1	Ionization potential factor affecting and application	https://youtu.be/sFTpgjrCg-g	Video	Dr. K. P. Kakade
2	periodic properties Part 1	https://youtu.be/qkpUtwZZwoE	Video	Dr. K. P. Kakade
3	MCQ on Electronic Displacement Reactive Intermediate Aliphatic Hydrocarbon	https://drive.google.com/file/d/19VJh9bnsNnkWpJ4TNnck40nYM88KmIiF/view?usp=sharing	PDF	Mr. N. S. Padole
4	MCQ on A) Gaseous state B) Phase Rule	https://drive.google.com/file/d/1eBN_mMLlsGNv40R5QbTZqgY7ohtf6YS8/view?usp=sharing	PDF	Mr. N. S. Padole
5	Power point presentation on ZOOM App	https://docs.google.com/presentation/d/14EDu_GfPaumDYSUU9_4e0cPJYXkSDkDd/edit?usp=sharing&ouid=114013424155114881846&rt=pof=true&sd=true	PPT	Mr. N. S. Padole
6	Chemical Kinetics	https://docs.google.com/presentation/d/1EjucNzcX1Axwe1V09uuSBbOrGb1If3MC/edit#slide=id.p1	PPT	Dr. K. P. Kakade
7	Boron Family	https://docs.google.com/presentation/d/1DiK29LY7WVlc7VdhJxLG8u5H_RxXs2Ws/edit#slide=id.p1	PPT	Dr. K. P. Kakade

B.Sc. II Semester III

Sr. No	Syllabus point	Link	Format	Credit
	CIP Rule	https://youtu.be/7rILWdSI5dA	Video	Dr. K. P. Kakade
1	D and L configuration	https://youtu.be/GBMSzkoUKLw	Video	Dr. K. P. Kakade
2	stability order of molecular ion of oxygen	https://youtu.be/LqpiSHMo6N0	Video	Dr. K. P. Kakade
3	Molecular Orbital Theory part 2	https://youtu.be/dad5UIOr-Qw	Video	Dr. K. P. Kakade
4	MOT Part1	https://youtu.be/pNvEm2P4BNc	Video	Dr. K. P. Kakade
5	Molecule with distortion geometry	https://youtu.be/EgBuqYat3hg	Video	Dr. K. P. Kakade
6	VSEPR AB5-AB7molecule	https://youtu.be/Z7RWA9wyod0	Video	Dr. K. P. Kakade
7	VSEPR geometry of molecule part 1	https://youtu.be/YyldBJG7_lg	Video	Dr. K. P. Kakade
8	Quantum yield	https://youtu.be/ky2Psha1ecw	Video	Dr. K. P. Kakade
9	VSEPR rule	https://youtu.be/QjgR358AJ4o	Video	Dr. K. P. Kakade
10	MCQ	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/m/MzM4Mjk1MTg4MTI4/details	Video	Dr. K. P. Kakade
11	Gravimetric Analysis	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjU3MjUzMjk4Mjc5/details	Video	Dr.V.M. Sherekar
12	Equivalent oxidation state	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjU3MDE0NjAwMTE4/details	Video	Dr.V.M. Sherekar
13	Redox titration	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjUxOTA2OTM2NTIy/details	Video	Dr.V.M. Sherekar
14	Modern theory (Quinonoid) acid base indicator	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjQ5NzAzNTQ0NjU1/details	Video	Dr.V.M. Sherekar
15	Acid Base titration	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjQ5MTA4NTgwMjM1/details	Video	Dr.V.M. Sherekar

16	Electrochemistry	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/m/MTQ0NTU1MDQzNTY4/details	Video	Dr.V.M. Sherekar
17	Electrochemistry	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/m/MTU0NjE2NTk1Nzcz/details	Video	Dr.V.M. Sherekar
18	Electrochemistry	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/m/MTQwODMxMTIzNTEy/details	Video	Dr.V.M. Sherekar
19	Electrochemistry	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/m/MTUyMDEyMjYwODY3/details	Video	Dr.V.M. Sherekar
20	Electrochemistry	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/m/MTQ5MjMyODQwMzE0/details	Video	Dr.V.M. Sherekar
21	Liquid state	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjE4NzA5NjQzNzE2/details	Video	Dr.V.M. Sherekar
22	Electrochemistry	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/m/MTMwMjE4OTM4OTcz/details	Video	Dr.V.M. Sherekar
23	Electrochemistry	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/m/MTI2ODM1MjUyOTg1/details	Video	Dr.V.M. Sherekar
24	Electrochemistry	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MTQyOTgwOTYyNDQw/details	Video	Dr.V.M. Sherekar
25	Electrochemistry	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MTIzNTc1ODg1NjQ1/details	Video	Dr.V.M. Sherekar
26	Liquid state Viscosity	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjM3Mjg1ODg1Nzgy/details	Video	Dr.V.M. Sherekar
27	Viscosity numerical	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjM3NTQ0MjMxNTAw/details	Video	Dr.V.M. Sherekar
28	Viscosity numerical 1	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjM3NTUyODkzNjMz/details	Video	Dr.V.M. Sherekar
29	volumetric analysis	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjQwNjA5NTk4OTE1/details	Video	Dr.V.M. Sherekar
30	Numerical volumetric analysis 1	https://classroom.google.com/c/MTE40DEzMjEyNDQ4/p/MjQzODQxMTI1MzQz/details	Video	Dr.V.M. Sherekar

31	Aldehyde and Ketone	https://drive.google.com/file/d/10gNOW8XNoKYqZ4UkTgo8uZ3XoxD78VCn/view?usp=sharing https://drive.google.com/file/d/10gsqSa0uZ95Wx4OwY-HeUEhvKDJ4n26D/view?usp=sharing https://drive.google.com/file/d/12faZnPo3WZWsHFKxzQ6mZUejD7ihcoz/view?usp=sharing https://drive.google.com/file/d/14d7AC5CjU7zXQ34Jyjhr3AE9z1fgGUrl/view?usp=sharing https://drive.google.com/file/d/1IXG0GhDY2OSgzvnlhNAzllgalNqtoM3/view?usp=sharing https://drive.google.com/file/d/1IKp0ONxOsUuDvh5thHcPCwIQ6Xww1iim/view?usp=sharing https://drive.google.com/file/d/1ITAxSvlo3LiUDXBddSly7DH5hwzaccp/view?usp=sharing	Video	Mr. N. S. Padole
32	Carboxylic Acid	https://drive.google.com/file/d/1RiE3NUmdoP5_9kyrFtuUDs0bGEsEN2sO/view?usp=sharing https://drive.google.com/file/d/1SELjVVWxMqfv4yEzj6LI7oFsRoEYD_s/view?usp=sharing https://drive.google.com/file/d/1VAmHbz47PWaWYZ31O9BFHNaDfY0PZ_lm/view?usp=sharing https://drive.google.com/file/d/1XohR1UMj_WhcpaXgSmTfHMWeAGBXdHoz/view?usp=sharing https://drive.google.com/file/d/1_PCgOi2NgA6bo_kmgip0TRbgmv1fpeP/view?usp=sharing https://drive.google.com/file/d/1aJ4GzwR3Syp35uucG_sEVdFyXQ0LqB83/view?usp=sharing	Video	Mr. N. S. Padole
33	Aromatic nitro compound	https://drive.google.com/drive/u/1/my-drive	PDF	Dr. K. P. Kakade
34	Numerical volumetric	https://classroom.google.com/c/MTE4ODEzMjEyNDQ4/p/MjQ0MzY5	Video	Dr.V.M. Sherekar

	analysis 1	NTAxOTM0/details		
35	Numerical volumetric analysis 2	https://classroom.google.com/c/MTE4ODEzMjEyNDQ4/p/MjIwNDExMjE3NDcx/details	Video	Dr.V.M. Sherekar
36	Nitrobenzene and other nitro compound	https://docs.google.com/presentation/d/1XPDUkrfuJUCMHV7zG7GBHsUpNNz6GqFd/edit#slide=id.p1	PPT	Dr. K. P. Kakade
37	Amino Acid	https://drive.google.com/drive/u/1/my-drive	PPT	Dr. K. P. Kakade
38	Co precipitation and Post precipitation	https://classroom.google.com/c/MTE4ODEzMjEyNDQ4/p/MjY5ODc2MDc0NTk0/details	Video	Dr.V.M. Sherekar

B.Sc. III Semester V

Sr. No	Syllabus point	Link	Format	Credit
1	Crystal field Theory part I	https://youtu.be/27ZtcOWcOGk	Video	Dr. K. P. Kakade
2	Numericals on photochemistry (1)	https://youtu.be/kAfJ8kLCOGQ	Video	Dr. K. P. Kakade
3	Jablonskii diagram	https://youtu.be/v1j1Qwpd2-Q	Video	Dr. K. P. Kakade
4	Photosynsetization	https://youtu.be/4GyawUstil8	Video	Dr. K. P. Kakade
5	Actinometry	https://youtu.be/9LCGhaKEElS	Video	Dr. K. P. Kakade
6	Determination of quatam yeild	https://youtu.be/IU4EP1NyZM8	Video	Dr. K. P. Kakade
7	Determination of quatam yeild	https://youtu.be/IU4EP1NyZM8	Video	Dr. K. P. Kakade
8	MCQ on the topic CFT And Photochemistry	https://classroom.google.com/c/MTE4ODExNTMwMjU2/m/MzM4MjkzMTA1MzAw/details	Video	Dr. K. P. Kakade
9	Photosynsetization	https://classroom.google.com/c/MTE4ODExNTMwMjU2/m/MTMwMjQzMDAwODU5/details	Video	Dr. K. P. Kakade
10	Quantam yeild determination	https://classroom.google.com/c/MTE4ODExNTMwMjU2/m/MTI3MzM1NDI3NDk3/details	Video	Dr. K. P. Kakade
11	Application of chelate	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MzIzMDQ	Video	Dr.V.M. Sherekar

		4OTQ5MDk1/details		
12	Classification of chelates	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MzA3NDY0ODczNjM2/details	Video	Dr.V.M. Sherekar
13	Classification of chelates	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MzA2OTc5MTQ4NTE1/details	Video	Dr.V.M. Sherekar
14	chelates	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MzA2OTc4NDA1ODA5/details	Video	Dr.V.M. Sherekar
15	Limitation of Valence bond theory	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MzAwMzQyMTk1NjM3/details	Video	Dr.V.M. Sherekar
16	Inner and outer orbital complex	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MzAwMzMxNjQ2NjYy/details	Video	Dr.V.M. Sherekar
17	Hybridization of metal Complex 2	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/Mjk3MjQ1NjEzNTQ0/details	Video	Dr.V.M. Sherekar
18	Hybridization of metal Complex 1	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/Mjk3MjQ0NjczNTAz/details	Video	Dr.V.M. Sherekar
19	Hybridization of metal Complex	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/Mjk3MjQ1MDY2MjUy/details	Video	Dr.V.M. Sherekar
20	Hybridization of Complex compound	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/Mjk3NzM4MDAyMDU5/details	Video	Dr.V.M. Sherekar
21	Concert of Hybridization and Application	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/Mjg3MDU1NTU0NjIw/details	Video	Dr.V.M. Sherekar
22	Assumptions of Valence bond theory	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjkyMDM1NjU3NDMw/details	Video	Dr.V.M. Sherekar
23	Optical Isomerism Tetrahedral complex	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjgzMDUwNDEyMDYz/details	Video	Dr.V.M. Sherekar
24	Optical Isomerism	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/Mjc1NTI3NzQ5NjMx/details	Video	Dr.V.M. Sherekar
25	Optical Isomerism	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjcxNDc3Mjc5OTE4/details	Video	Dr.V.M. Sherekar
26	Geometrical isomerism	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjcwOTU	Video	Dr.V.M. Sherekar

	square planar complex	4MzYxNjI0/details		
27	Geometrical isomerism octahedral complex	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjY2NDM2MTc0MTgy/details	Video	Dr.V.M. Sherekar
28	Stereoisomerism	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjYxNDY5NTA1MjY1/details	Video	Dr.V.M. Sherekar
29	Isomerism of Coordination compounds	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjYxMDExODIzMDAx/details	Video	Dr.V.M. Sherekar
30	IUPAC nomenclature of coordination compounds 1	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjU4MzU3OTYwODIy/details	Video	Dr.V.M. Sherekar
31	IUPAC nomenclature of coordination compounds	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjU3OTM2OTM2NDM0/details	Video	Dr.V.M. Sherekar
32	Effective atomic number 3	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjUwODE0MjcwMDY4/details	Video	Dr.V.M. Sherekar
33	Effective atomic number	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjUwNzk1OTYxMjY0/details	Video	Dr.V.M. Sherekar
34	Werner theory of coordination compounds 1	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjIwNTA4MzEyMTI1/details	Video	Dr.V.M. Sherekar
35	Werner theory coordination compounds	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjIwMzAyNzAzOTk5/details	Video	Dr.V.M. Sherekar
36	Coordination compounds	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjAzNzA4OTQ0NDM1/details	Video	Dr.V.M. Sherekar
37	Coordination compounds	https://classroom.google.com/c/MTE4ODExNTMwMjU2/p/MjAyMjQ4MTEzMDUz/details	Video	Dr.V.M. Sherekar
38	Pesticides	https://www.youtube.com/watch?v=QH15Z6T97aI	Video	Dr.V.M. Sherekar
39	Dyes	https://classroom.google.com/c/MTE4ODExNTMwMjU2/m/MTY3MjY5MzI2NTE0/details	Video	Dr.V.M. Sherekar
40	Dyes	https://classroom.google.com/c/MTE4ODExNTMwMjU2/m/MTY0NzMyODY4NTk4/details	Video	Dr.V.M. Sherekar
41	Dyes	https://classroom.google.com/c/MTE4ODExNTMwMjU2/m/MTU4OTUyNjgyMjQx/details	Video	Dr.V.M. Sherekar

42	Dyes	https://classroom.google.com/c/MTE4ODExNTMwMjU2/m/MTMyMDc2NTEzMjY5/details	Video	Dr.V.M. Sherekar
43	Dyes	https://classroom.google.com/c/MTE4ODExNTMwMjU2/m/MTUyMzQzMjAyNjA0/details	Video	Dr.V.M. Sherekar
44	Dyes	https://classroom.google.com/c/MTE4ODExNTMwMjU2/m/MTI3NTk4OTY0MTMx/details	Video	Dr.V.M. Sherekar
45	Dyes	https://classroom.google.com/c/MTE4ODExNTMwMjU2/m/MTQ4MTM5MjM0OTg0/details	Video	Dr.V.M. Sherekar
46	Heterocyclic Compound	https://drive.google.com/file/d/1RomwatMaTAVLLS93Q1kRVR7hDQPD74LF/view?usp=sharing https://drive.google.com/file/d/1ULr2Qx129EzHIYxUftDKDYK1TXG6Gf79/view?usp=sharing https://drive.google.com/file/d/1Wtdb7u4iOPpa5wYFYmxTVTK8zG_Os2nA/view?usp=sharing https://drive.google.com/file/d/1exs3Cb8jd8ReO12tJLHrj8Ww3YZQTp9E/view?usp=sharing https://drive.google.com/file/d/1f164tahlfZggFSDN11tkkb5d4NVRMOzq/view?usp=sharing	Video	Mr. N. S. Padole
47	Organometallic Compound	https://drive.google.com/file/d/18qeCD40uUDRDKV9MfPNElr6P52AEdhky/view?usp=sharing https://drive.google.com/file/d/1JrJngkjeTxZDro4AnwRtdmU7uwppxOk9/view?usp=sharing https://drive.google.com/file/d/1JwrkNNIPyRxOyjPnOn3SNaSwRUCCGxuN/view?usp=sharing		Mr. N. S. Padole
48	UV Visible spectroscopy	https://youtu.be/ycznQUasNto	Video	Dr. K. P. Kakade
49	IR Spectroscopy	https://drive.google.com/drive/u/1/my-drive	PDF	Dr. K. P. Kakade