



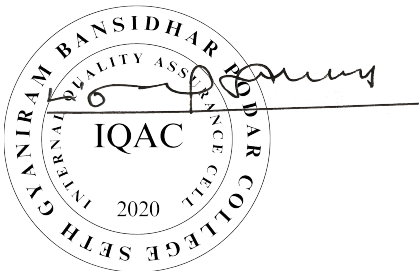
SETH GYANIRAM BANSIDHAR PODAR COLLEGE

Curricular Planning and Implementation

SESSION 2023-24



Seth Gyaniram Bansidhar Podar College Nawalgarh ensures strict adherence to university syllabi through thorough IQAC reviews and a comprehensive academic calendar. Transparent communication of syllabi is prioritized via multiple channels. Faculty meticulously plan their lectures, incorporating technology and diverse teaching methods to enhance student engagement. Rigorous monitoring and continuous evaluation ensure quality education, with data-driven improvements and regular feedback refining practices. The strengths of Seth Gyaniram Bansidhar Podar College Nawalgarh include strict adherence to guidelines, a student-centric approach, effective monitoring, and a commitment to continuous improvement, all aimed at providing a high-quality educational experience.

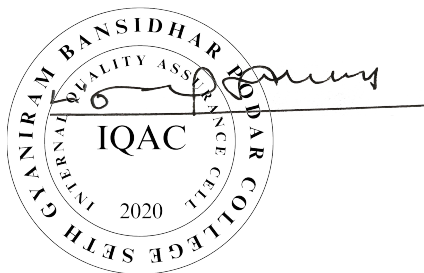


Academic Calendar

At Seth Gyaniram Bansidhar Podar College, the academic calendar plays a crucial role in ensuring effective planning and smooth functioning of the academic year. It is meticulously developed by the IQAC in alignment with university guidelines to maximize instructional time and ensure comprehensive coverage of the syllabus.

The calendar is a vital tool for faculty members, who use it to plan their lectures and align them with course objectives. It also facilitates the scheduling of examinations, internal assessments, and various academic and extracurricular activities. Transparent communication of the academic calendar through multiple channels ensures that all stakeholders, including students and staff, are well-informed and can plan accordingly.

By adhering to the academic calendar, the college ensures a structured and organized approach to education, promoting a productive and engaging learning environment for students. This systematic planning and alignment contribute significantly to the overall academic excellence of Seth Gyaniram Bansidhar Podar College.





SETH GYANIRAM BANSIDHAR PODAR COLLEGE

Accredited with 'A' Grade (3.04 CGPA) by NAAC-UGC
 Recognition of college under Section 2(I)/12(B), UGC Act, 1956
 Affiliated to Pandit Deendayal Upadhyaya Shekhawati University, Sikar

ACADEMIC CALENDAR

2023-24

S. No.	Month	Week (Approx.)	Plan of Action	No of Working Days
1.	June 2023	Early June	Admission Open for session 2023-24	25
2.	July 2023	Mid July	Regular Classes Start for UG and PG Semester I	26
		Late July	Webinar Women Empowerment	
3.	August 2023	Early Aug	Regular class Start for 2 nd and 3 rd year UG	26
		Early Aug	Orientation Program	
		Mid Aug	Independence Day Celebration	
4.	September 2023	Early Sept	Regular Class Start for PG Final Year	24
		Early Sept	1st Term Test UG	
		Mid Sept	Fresher Party for UG	
		Mid Sept	Organize Yoga Sessions	
		Late Sept	FDP on Research Methodology	
		Late Sept	Organize a workshop on Designing Assessment Rubrics	
		Late Sept	Organize Mental Health Sessions with Kangaroo Minds	
5.	October 2023	Mid Oct	Fresher Party for PG	24
		Late Oct	FDP on Vegetative plant propagation	
		Late Oct	Blood Donation Camp	

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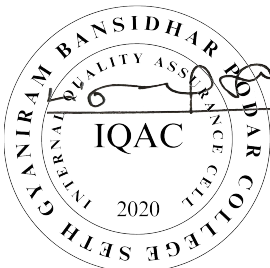
Contact No: 8619868884

Web Site: www.podarcollege.com E-Mail: principal@podarcollege.com

Principal

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Seth G.B. Podar College
 Nawalgarh - 333042




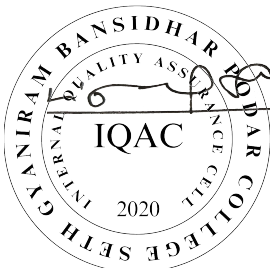
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6.	November 2023			(17)
		Early Nov	FDP on Biodiversity & Management	
		Early Nov	FDP on Interdisciplinary Subject Aspect	
		Mid Nov	Educational Tour	
		Mid Nov	World Press Day Celebration	
		Late Nov	FDP on Office Record Management	
		Late Nov/Early Dec	2nd Term Test (UG & PG)	
		Late Nov	Awareness to Organic Farming	
		Late Nov	FDP on Gardening & Cleaning	
		Late Nov	FDP on Use of Technology in Teaching and Assessment	
7.	December 2023			(20)
		Early Dec	National Pollution Control Day Celebration	
		Early Dec	FDP on "University Examination Training"	
		Early Dec	World Soil Day Celebration	
		Mid Dec	Industrial Visit Sikar	
		Mid Dec	FDP on Green Energy	
		Mid Dec	Awareness towards heritage	
8.	January 2024			(26)
		Early Jan	National Youth Day Celebration by NSS	
		Early Jan	Green House for Sustainable Agriculture	
		Early Jan	Educational Tour Jaipur	

RambilasPodar Road, Nawalgarh, Dist: Jhunjhunu - 333042
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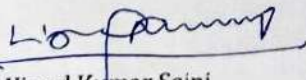

 Principal 2
 Seth G.B. Podar College




		Mid Jan	Sports Week	
		Mid Jan	Cultural Week	
		Late Jan	Annual Function	
		Late Jan	Republic Day Celebration	
9.	February 2024			(24)
		Mid Feb	Collect and Analyze Feedback from Stockholders	
		Late Feb	Regular Class Start for Semester II	
10.	March 2024			(25)
		Early Mar	Tree Plantation for Life Celebration	
		Early to Mid Mar	Pre-university Exam (UG & PG)	
		Late Mar	Alumni Meet	
		Late March	Conduct Academic and Administrative Audit	
11.	April 2024			(23)
		Early Apr	Workshop on Organic Waste Management	

Note:

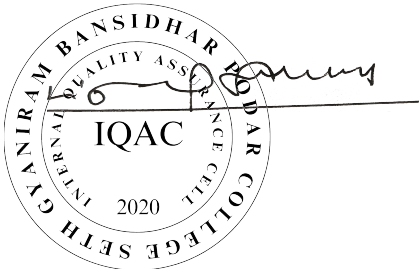
- Teaching plan of each subject will be distributed in the last week of the every month, for the following month.
- Dates mentioned in the calendar are targeted dates and are subjected to be modified as per instructions of the University/College Administration.
- Divisional and the Gazetted holidays will be engaged as per circular released by the University/College as per govt. rules and regulations.


 Dr. Vinod Kumar Saini
 IQAC, Coordinator


 Dr. Satyendra Singh
 Principal
 Seth G.B. Podar College
 Nawalgarh - 333042

Rambilas Podar Road, Nawalgarh, Dist: Jhunjhunu - 333042
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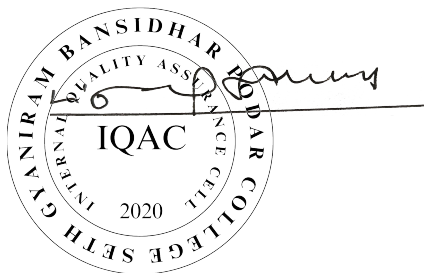


Teaching Plan

At Seth Gyaniram Bansidhar Podar College, teaching plans are essential for ensuring a structured and efficient delivery of the curriculum. Faculty members meticulously prepare these plans in alignment with the academic calendar and course objectives.

Each teaching plan outlines the specific topics to be covered, the methods of instruction, and the resources to be used. This detailed preparation allows for a consistent and comprehensive approach to teaching, ensuring that all course material is covered effectively. Additionally, these plans incorporate diverse pedagogical methods, such as lectures, discussions, and projects, to cater to different learning styles and foster student engagement.

By using well-structured teaching plans, the college ensures that students receive a high-quality education, with clear objectives and a coherent learning path. This systematic approach helps in maintaining academic rigor and enhances the overall educational experience at Seth Gyaniram Bansidhar Podar College.

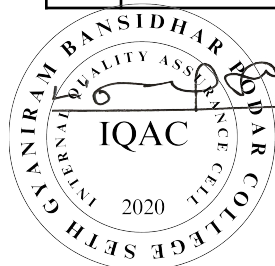


PODAR COLLEGE NAWALAGARH
LECTURE PLAN SESSION 2023-24

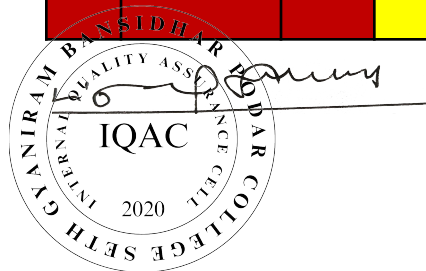
Subject:-Chemistry

Class:- M.Sc Previous Paper Name :- Inorganic Chemistry (C1)

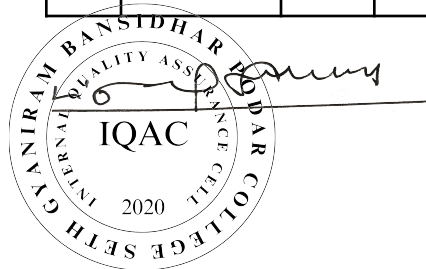
S.No.	LECTURE No.	UNIT No.	TOPIC TO BE COVERED	BOOKS REFERRED	PPT USED	VIDEO USED	OTHER ICT TOOLS
			UNIT-I				
1	LECTURE 1	I	SYMMETRY ELEMENTES AND SYMMETRY OPERATION	Chemical ApplicatiGrou p Theory. FA. Cotton.	P P T		
2	LECTURE 2		SYMMETRY ELEMENTES AND SYMMETRY OPERATION			Video	
3	LECTURE 3		SYMMETRY ELEMENTES AND SYMMETRY OPERATION				
4	LECTURE 4		SYMMETRY ELEMENTES AND SYMMETRY OPERATION			Video	
5	LECTURE 5		DEFINATION OF GROUP			Video	
6	LECTURE 6		SUBGROUP				
7	LECTURE 7		RELATION BETWEEN ORDERS OF A FINITE GROUP AND ITS SUBGROUP			Video	
8	LECTURE 8		RELATION BETWEEN ORDERS OF A FINITE GROUP AND ITS SUBGROUP			Video	
9	LECTURE 9		CONJUGACY RELATION AND CLASSES				
10	LECTURE 10		POINT SYMMETRY GROUP				
11	LECTURE 11		POINT SYMMETRY GROUP			Video	
12	LECTURE 12		SCHONFLIES SYMBOLS				
13	LECTURE 13		REPERANTATION OF GROUPS BY METRICS			Puri, Sharma and Kaliya, Principles of Inorganic Chemistry	T
14	LECTURE 14		REPERANTATION OF GROUPS BY METRICS	Video			
15	LECTURE 15		REPERANTATION OF GROUPS BY METRICS	Video			
16	LECTURE 16		CHARACTER OF A REPRESENTATION	Video			
17	LECTURE 17		THE GREAT ORTHOGONALITY THEOREM AND IMPORTANCE	Video			
18	LECTURE 18		THE GREAT ORTHOGONALITY THEOREM AND IMPORTANCE	Video	Symotter		
19	LECTURE 19		THE GREAT ORTHOGONALITY THEOREM AND IMPORTANCE	Video			
20	LECTURE 20		CHARACTER TABLE AND THEIR USES	Video			
21	LECTURE 21		CHARACTER TABLE AND THEIR USES	Video			
22	LECTURE 22		CHARACTER TABLE AND THEIR USES	Video			
23	LECTURE 23		SPECTROSCOPIC DERIVATION OF CHARACTER TABLE FOR C2V POINT GROUP	Video			



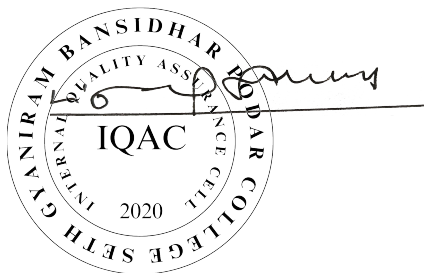
24	LECTURE 24		C3V POINT GROUP	Milestone			
25	LECTURE 25		SYMMETRY ASPECTES OF MOLECULAR VIBRATION	Publisher.		Video	
26	LECTURE 26		SYMMETRY ASPECTES OF MOLECULAR VIBRATION				
UNIT-II							
27	LECTURE 27	II	VSEPR THEORY	Advanced Inorganic Chemistry, F.A. Cotton and Wilkinson, John Wiley	P P T	Video	Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
28	LECTURE 28		VSEPR THEORY			Video	
29	LECTURE 29		WALSH DIAGRAM9 TRI ATOMIC AND PENTA ATOMIC MOLECULES			Video	
30	LECTURE 30		WALSH DIAGRAM9 TRI ATOMIC AND PENTA ATOMIC MOLECULES			Video	
31	LECTURE 31		dπ-pπ BOND			Video	
32	LECTURE 32		dπ-pπ BOND			Video	
33	LECTURE 33		BENT RULE			Video	
34	LECTURE 34		ENERGETICS OF HYBRIDIZATION			Video	
35	LECTURE 35		ENERGETICS OF HYBRIDIZATION			Video	
36	LECTURE 36		SOME SIMPLE REACTIONS OF COVALENTLY BONDED MOLECULES			Video	
37	LECTURE 37		LIMITATIONS OF CRYSTAL FIELD THEORY	Video			
38	LECTURE 38		MOLECULER ORBITAL THEORY	Video			
39	LECTURE 39		OCTAHEDRAL	Video			
40	LECTURE 40		TETRAHEDRAL	Video			
41	LECTURE 41		SQUARE PLANAR π-BONDING COMPLEXES	Video			
42	LECTURE 42		METAL CARBONYLS	Video			
43	LECTURE 43		METAL CARBONYLS SYNTHESIS	Video			
44	LECTURE 44		METAL CARBONYLS STRUCTURE AND 18 electron RULE	Inorganic Electronic Spectroscopy, A.B.P. Lever, Elsevier.		Video	
45	LECTURE 45		REACTION OF METAL CARBONYLS	Video			
46	LECTURE 46		HIGHER BORANES	Video			
47	LECTURE 47	CARBORANES	Video				
48	LECTURE 48	METALLOBORANES	Video				
49	LECTURE 49	METALLOCARBORANES	Video				
50	LECTURE 50	COMPOUNDES WITH METAL METAL MULTIPLE BONDS	Video				
UNIT-III							



51	LECTURE 51	III	SPECTROSCOPIC GROUND STATES	Inorganic Chemistry (Miessler, Fischer, Tarr)	P P T	Video	Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
52	LECTURE 52		CORRELATION			Video	
53	LECTURE 53		ORTEL DIAGRAM			Video	
54	LECTURE 54		ORTEL DIAGRAM				
55	LECTURE 55		TANABE-SUGANO DIAGRAMS			Video	
56	LECTURE 56		CALCULATION OF RACHAH PARAMETERS				
57	LECTURE 57		CHARGE TRANSFER SPECTRA			Video	
58	LECTURE 58		OPTICALLY ACTIVE METAL CHELATES			Video	
59	LECTURE 59		ANOMALOUS MAGNETIC MOMENTS			Video	
60	LECTURE 60		MAGNETIC EXCHANGE COUPLING			Video	
61	LECTURE 61		SPIN CROSSOVER				
			UNIT-IV				
62	LECTURE 62	IV	ENERGY PROFILE OF A REACTION	Inorganic Chemistry (Miessler, Fischer, Tarr)	P P T		Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
63	LECTURE 63		REACTIVITY OF METAL COMPLEXES				
64	LECTURE 64		INERT AND LABILE COMPLEXES			Video	
65	LECTURE 65		KINETIC APPLICATION OF VBT & CFT			Video	
66	LECTURE 66		KINETICS OF OCTAHEDRAL SUBSTITUTION			Video	
67	LECTURE 67		ACID HYDROLYSIS				
68	LECTURE 68		FACTOR AFFECTING ACID HYDROLYSIS				
69	LECTURE 69		BASE HYDROLYSIS				
70	LECTURE 70		CONJUGATE BASE MECHANISM				
71	LECTURE 71		FACTOR AFFECTING SN1CB MECHANISM				
72	LECTURE 72		ANATION REACTION			Video	
73	LECTURE 73		SUBSTITUTION REACTIONS OF SQUARE PLANAR COMPLEXES				
74	LECTURE 74		FACTORS AFFECTING SUBSTITUTION REACTIONS IN SQUARE PLANAR COMPLEXES			Video	
75	LECTURE 75		TRANS EFFECT			Video	
76	LECTURE 76		THEORIES OF TRANS EFFECT			Video	
77	LECTURE 77		ELECTRON TRANSFER REACTION			Video	
78	LECTURE 78		OUTER SPHERE MECHANISM			Video	
79	LECTURE 79		FACTORS AFFECTING OUTER SPHERE			Video	
80	LECTURE 80	INNER SPHERE MECHANISM	Video				
81	LECTURE 81	FACTORS AFFECTING INNER SPHERE	Video				

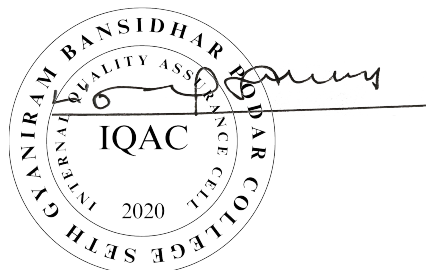


82	LECTURE 82		MARCUS-HUSH THEORY			Video	
83	LECTURE 83		CROSS REACTION AND MARCUS-HUSH RELATION			Video	
UNIT-V							
84	LECTURE 84	V	LAWS OF RADIOACTIVE DECAY	Nuclear and Radiochemistry: Fundamental and Applications, 2 Vols., Jens-Volker Kratz and Karl Heinrich Lieser.	P P T		Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
85	LECTURE 85		DETECTION OF RADIATIONS				
86	LECTURE 86		GEIGER-NUTTAL RULE				
87	LECTURE 87		GM TUBES AND THEIR CHARACTERISTICS				
88	LECTURE 88		IONISATION CHAMBER				
89	LECTURE 89		PROPORTIONAL COUNTER				
90	LECTURE 90		SCINTILLATION COUNTERS				
91	LECTURE 91		SOLID STATE DETECTORS				
92	LECTURE 92		CALIBRATION OF COUNTING EQUIPMENTS			Essentials of Nuclear Chemistry, H. J. Arnika	
93	LECTURE 93		DETERMINATION OF ABSOLUTE DISINTEGRATION RATES				
94	LECTURE 94		ACTIVATION ANALYSIS :- VARIOUS METHODS OF ACTIVATION				
95	LECTURE 95		METHODOLOGY				
96	LECTURE 96		ADVANTAGES				
97	LECTURE 97		LIMITATIONS AND APPLICATIONS.				
PODAR COLLEGE NAWALAGARH LECTURE PLAN SESSION 2023-24 Subject:-Chemistry Class:- M.Sc Previous Paper Name :- Organic Chemistry (C2)							
S.No.	LECTURE No.	UNIT No.	TOPIC TO BE COVERED	BOOKS REFERRED	PPT USED	VIDEO USED	OTHER ICT TOOLS



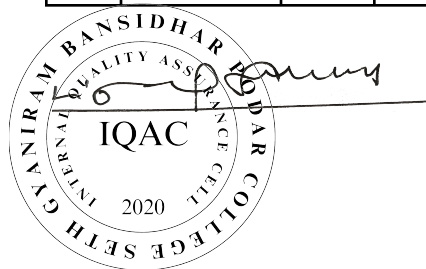
1	LECTURE 1	I	UNIT-I	P P T			
2	LECTURE 2		CROSS CONJUGATION , RESONANCE .		<u>Advanced Organic Chemistry – Reactions, Mechanism and Structure. Jerry March</u>		
3	LECTURE 3		HYPER- CONJUGATION ,				
4	LECTURE 4		TAUTOMERISM .				
5	LECTURE 5		APPLICATIONS OF ELECTRONIC EFFECTS				
6	LECTURE 6		AROMATICITY .				
7	LECTURE 7		AROMATICITY OF FUSED SYSTEMS				
8	LECTURE 8		HOMO-AROMATICITY HOMOAROMATIC COMPOUNDS .				
9	LECTURE 9		HUCKEL RULE , ANTI AROMATICITY ,				
10	LECTURE 10		ALTERNANT AND NON - ALTERNANT HYDROCARBONS .				
11	LECTURE 11		ANNULENE , AZULENE .			<u>Stereochemi stry of Organic Compounds P.S. Kalsi</u>	
12	LECTURE 12		FULLERENES .				
13	LECTURE 13		CROWN ETHER COMPLEXES , CRYPTANDS ,				
14	LECTURE 14		ENERGY LEVELS OF Π - MOLECULAR ORBITALS .				
15	LECTURE 15		INCLUSION COMPOUNDS,				
16	LECTURE 16		CATENANES , ROTAXANES				
17	LECTURE 17		ELEMENT OF SYMMETRY				
18	LECTURE 18		DYNAMIC STEREOCHEMISTRY				
19	LECTURE 19		STEREOCHEMISTRY OF COMPOUNDS CONTAINING HETERO ATOMS .				
			UNIT-II				

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Classroom
Google Meet
KingDraw
Chemical
structure
editor
Chemdraw

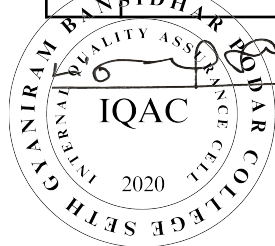


20	LECTURE 20	II	BIOMOLECULAR MECHANISM WITH DOUBLE BOND SHIFT .	Advanced Organic Chemistry. F.A. Carey	P P T		
21	LECTURE 21		EFFECT OF SUBSTRATE , LEAVING GROUP AND SOLVENT .				
22	LECTURE 22		AROMATIC ELECTROPHILIC SUBSTITUTION : ORIENTATION , REACTIVITY .				
23	LECTURE 23		ENERGY PROFILE DIAGRAM , THE ORTHO - PARA RATIO .				
24	LECTURE 24		QUANTITATIVE TREATMENT OF REACTIVITY , DIAZONIUM COUPLING .				
25	LECTURE 25		INTERMEDIATES				
26	LECTURE 26		INTERMEDIATES				
27	LECTURE 27		INTERMEDIATES				
28	LECTURE 28		INTERMEDIATES				
29	LECTURE 29		INTERMEDIATES				
30	LECTURE 30		EFFECT OF STRUCTURE ON REACTIVITY				
31	LECTURE 31		METHODS OF DETERMINING REACTION MECHANISMS				
32	LECTURE 32		METHODS OF DETERMINING REACTION MECHANISMS				
33	LECTURE 33		HAMMONDS POSTULATES AND CURTIN HAMMETT PRINCIPLE				
34	LECTURE 34		NUCLEOPHILIC SUBSTITUTION (SN1MECHANISM)				
35	LECTURE 35		NUCLEOPHILIC SUBSTITUTION (SN1 MECHANISM)				
36	LECTURE 36		NUCLEOPHILIC SUBSTITUTION (SN2 MECHANISM)				
37	LECTURE 37		NUCLEOPHILIC SUBSTITUTION (SN2 MECHANISM)				
38	LECTURE 38		NGP				
39	LECTURE 39	AMBIDENTATE NUCLEOPHILE					

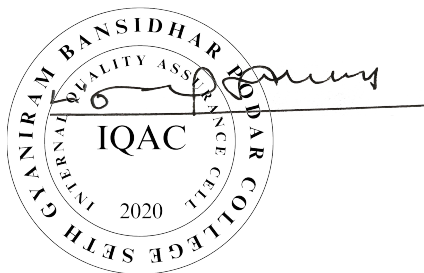
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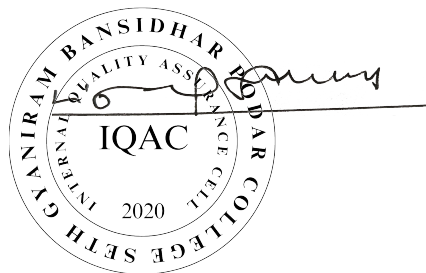
		UNIT-III					
40	LECTURE 40	III	VIELSMEIER REACTION , GATTERMANN KOTCH REACTION.	Principles of Organic Synthesis. ROC Norman and J.M. Coxon	P P T		Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
41	LECTURE 41		AROMATIC SN : AR SN1 , BENZYNE , SRN1 MECHANISM.				
42	LECTURE 42		REACTIVITY ; DIFFERENT EFFECTS (STRUCTURE , LEAVING GROUP , NUCLEOPHILE).				
43	LECTURE 43		VON - RITCHER , SOMMLET - HOUSE SMILE'S REARRANGEMENT .				
44	LECTURE 44		FREERADICAL: TYPES OFFREACTIONS FREE RADICAL SUBSTITUTION . MECHANISM AT AROMATIC SUBSTRATE .				
45	LECTURE 45		NEIGHBOURING GROUP ASSISTANCE EFFECT OF SOLVENT ON REACTIVITY .				
46	LECTURE 46		REACTIVITY FOR ALIPHATIC AND AROMATIC SUBSTRATES AT A BRIDGE HEAD REACTIVITY IN ATTACKING RADICALS .				
47	LECTURE 47		ALYLIC HALOGENATION (NBS), OXIDATION OF ALDEHYDES TO CARBOXYLIC ACIDS , AUTO - OXIDATION .				
48	LECTURE 48		COUPLING OF ALKYNES AND ARYLATION OF AROMATIC COMPS. BY DIAZONIUM SALTS . SANDMEYER REACTION .				
49	LECTURE 49		FREE RADICAL REARRANGEMENT HUNSDIEKERREACTION .				
		UNIT-IV					
50	LECTURE 50	IV	ADDITION TO CARBON-CARBON MULTIPLE BONDS : INTRODUCTION	Reaction Mechanism in Organic Chemistry. S.M. Mukherji and S.P.	P P T		Computer projector Google Classroom Google Meet KingDraw Chemical structure
51	LECTURE 51		MECHANISTIC AND STEREO CHEMICAL ASPECTS OF ADDITION REACTIONS				
52	LECTURE 52		HALOGENATION OF ALKENE				
53	LECTURE 53		HALOGENATION OF ALKENE				
54	LECTURE 54		ADDITION OF HX				



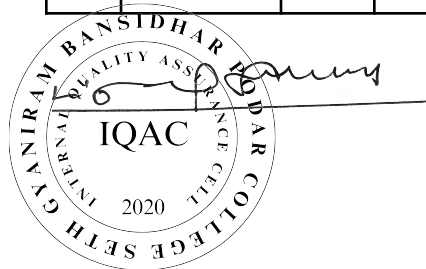
55	LECTURE 55	HYDROBORATION	Singh, Macmillan			editor Chemdraw
56	LECTURE 56	HYDROXYLATION OF ALKENE				
57	LECTURE 57	EPOXIDATION OF ALKENE				
58	LECTURE 58	HYDROGENATION OF DOUBLE AND TRIPLE BONDS&AROMATIC RINGS				
59	LECTURE 59	ADDITION TO CYCLOPEAN RING				
60	LECTURE 60	ADDITION TO CARBON-HETERO MULTIPLE BONDS: INTRODUCTION				
61	LECTURE 61	ALDOL REACTION				
62	LECTURE 62	CROSS ALDOL CONDENSATION				
63	LECTURE 63	APPLICATION OF ALDOL				
64	LECTURE 64	PERKIN REACTION				
65	LECTURE 65	PERKIN REACTION				
66	LECTURE 66	KNOEVENAGEL REACTION				
67	LECTURE 67	CLAISEN REACTION AND CLAISEN CONDENSATION				
68	LECTURE 68	CROSS CLAISEN CONDENSATION				
69	LECTURE 69	CROSS CLAISEN CONDENSATION	Organic Chemistry, R.T. Morrison and R. N. Boyd			
70	LECTURE 70	BENZOIN CONDENSATION				
71	LECTURE 71	MANNICH REACTION				
72	LECTURE 72	SYNTHESIS APPLICATION OF MANNICH REACTION				
73	LECTURE 73	WITTIG REACTION				
74	LECTURE 74	WITTIG REACTION				
75	LECTURE 75	STOBBE CONDENSATION				
		UNIT-V				



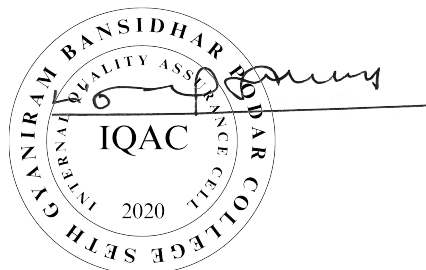
76	LECTURE 76	V	PERICYCLIC REACTIONS : INTRODUCTION , MO SYMMETRY .	Pericyclic Reactions, S.M. Mukherji	P P T	Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
77	LECTURE 77		FMO OF ETHYLENE , 1,3 - BUTADIENE .			
78	LECTURE 78		HEXA- 1,3,5- TRIENE. ALLYL SYSTEMS ; CLASSIFICATION.			
79	LECTURE 79		WOODWARD'S- HOFFMANN CORRELATION DIAGRAMS .			
80	LECTURE 80		ELECTROLYTIC REACTIONS : CONROTATORY AND DISROTATORY.			
81	LECTURE 81		4N , 4N + 2 , ALLYL SYSTEMS .			
82	LECTURE 82		CYCLOADDITIONS : SUPRAFACIAL AND ANTARAFACIAL .			
83	LECTURE 83		4N , 4N + 2 SYSTEMS , 2 +2 ADDITION IN KETENS .			
84	LECTURE 84		1,3- DIPOLAR CYCLOADDITIONS ,			
85	LECTURE 85		SIGMATROPIC REARRANGEMENTS : SUPRA - ANTARA SHIFT OF H .			
86	LECTURE 86		SIGMATROPIC SHIFTS INVOLVING CARBON MOIETIES .			
87	LECTURE 87		3,3 - AND 5,5 - REARRANGEMENTS .			
88	LECTURE 88		COPE AND AZA - COPE REARRANGEMENTS .			
89	LECTURE 89		CLAISEN REARRANGEMENT ,			
90	LECTURE 90		FLUXIONAL TAUTOMERISM.			
91	LECTURE 91		GROUP-TRANSFER REACTIONS.			
92	LECTURE 92		ENERGIC REACTION.			
93	LECTURE 93		CHELOTROPIC REACTIONS.			
<p>PODAR COLLEGE NAWALAGARH LECTURE PLAN SESSION 2023-24 Subject:-Chemistry Class:- M.Sc Previous Paper Name :- physical Chemistry (C3)</p>						



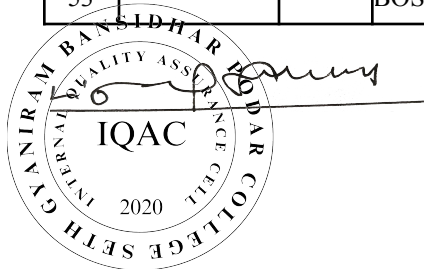
S.No.	LECTURE No.	UNIT No.	TOPIC TO BE COVERED	BOOKS REFFERED	PPT USED	VIDEO USED	OTHER ICT TOOLS
			UNIT-I				
1	LECTURE 1	I	INTRODUCTION OF QUANTUM MECHANICS	Introduction to Quantum Chemistry, A.K. Chandra	P P T	Video	Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
2	LECTURE 2		SCHRODINGER EQUATION			Video	
3	LECTURE 3		POSTULATES OF QM			Video	
4	LECTURE 4		POSTULATES OF QM			Video	
5	LECTURE 5		POSTULATES OF QM			Video	
6	LECTURE 6		POSTULATES OF QM			Video	
7	LECTURE 7		SOLUTION OF SCHRODINGER EQUATION FOR 1-D BOX			Video	
8	LECTURE 8		SOLUTION OF SCHRODINGER EQUATION FOR 1-D BOX			Video	
9	LECTURE 9		SOLUTION OF SCHRODINGER EQUATION FOR 1-D BOX			Video	
10	LECTURE 10		SOLUTION OF SCHRODINGER EQUATION FOR 3-D BOX			Video	
11	LECTURE 11		SOLUTION OF SCHRODINGER EQUATION FOR RIGID ROTATOR			Video	
12	LECTURE 12		SOLUTION OF SCHRODINGER EQUATION FOR RIGID ROTATOR			Video	
13	LECTURE 13		SOLUTION OF SCHRODINGER EQUATION FOR RIGID ROTATOR			Video	
14	LECTURE 14		SOLUTION OF SCHRODINGER EQUATION FOR 1-D SHO			Video	
15	LECTURE 15		SOLUTION OF SCHRODINGER EQUATION FOR 1-D SHO			Video	
16	LECTURE 16		SOLUTION OF SCHRODINGER EQUATION FOR 1-D SHO			Video	
17	LECTURE 17		SOLUTION OF SCHRODINGER EQUATION FOR HYDROGEN ATOM	Quantum Chemistry.	Video		



18	LECTURE 18	SOLUTION OF SCHRODINGER EQUATION FOR HYDROGEN ATOM	Ira N. Levine		Video
19	LECTURE 19	SOLUTION OF SCHRODINGER EQUATION FOR HYDROGEN ATOM			Video
20	LECTURE 20	SOLUTION OF SCHRODINGER EQUATION FOR HYDROGEN ATOM			Video
21	LECTURE 21	APPROXIMATION METHODS: INTRODUCTION			Video
22	LECTURE 22	LINEAR VARIATION THEOREM			Video
23	LECTURE 23	LINEAR VARIATION THEOREM			Video
24	LECTURE 24	APPLICATION HELIUM ATOM			Video
25	LECTURE 25	FIRST ORDER NON-DEGENERATE PERTURBATION THEOREM			Video
26	LECTURE 26	APPLICATION HELIUM ATOM			Video
27	LECTURE 27	LADDER OPERATOR			Video
28	LECTURE 28	ADDITION OF ANGULAR MOMENTUM			Video
29	LECTURE 29	PAULI EXCLUSION PRINCIPLE			Video
30	LECTURE 30	HUCKEL THEORY OF CONJUGATED SYSTEM			Video
31	LECTURE 31	HT FOR ETHYLENE			Video
32	LECTURE 32	HT FOR 1-3 BUTADIENE			Video
33	LECTURE 33	HT FOR CYCLOPROPENYL			Video
34	LECTURE 34	INTRODUCTION TO EXTENDED HT			Video
UNIT-II					



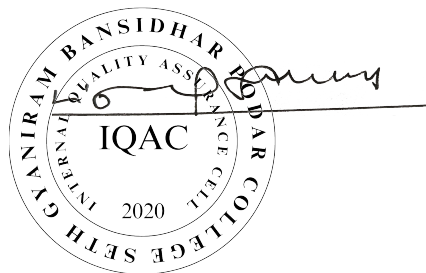
35	LECTURE 35	II	CLASSICAL THERMODYNAMICS: BRIEF RESUME OF CONCEPTS OF LAWS OF THERMODYNAMICS	Physical Chemistry. P.W. Atkins	P P T	Video	Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
36	LECTURE 36		CLASSICAL THERMODYNAMICS: BRIEF RESUME OF CONCEPTS OF LAWS OF THERMODYNAMICS				
37	LECTURE 37		PARTIAL MOLAR PROPERTIES,				
38	LECTURE 38		PARTIAL MOLAR VOLUME				
39	LECTURE 39		PARTIAL MOLAR FREE ENERGY,				
40	LECTURE 40		PARTIAL MOLAR HEAT CONTENT AND THEIR SIGNIFICANCES				
41	LECTURE 41		CHEMICAL POTENTIAL AND OTHER THERMODYNAMIC PROPERTIES				
42	LECTURE 42		CONCEPT OF FUGACITY				
43	LECTURE 43		DETERMINATION OF FUGACITY				
44	LECTURE 44		NON-IDEAL SYSTEMS: EXCESS FUNCTIONS FOR NON-IDEAL SOLUTIONS				
45	LECTURE 45		NON-IDEAL SYSTEMS: EXCESS FUNCTIONS FOR NON-IDEAL SOLUTIONS				
46	LECTURE 46		NON-IDEAL SYSTEMS: EXCESS FUNCTIONS FOR NON-IDEAL SOLUTIONS				
47	LECTURE 47		ACTIVITY, ACTIVITY COEFFICIENT, DEBYE HUCKEL THEORY FOR ACTIVITY COEFFICIENT OF ELECTROLYTIC SOLUTIONS;				
48	LECTURE 48		DETERMINATION OF ACTIVITY AND ACTIVITY COEFFICIENTS, IONIC STRENGTH.				
49	LECTURE 49		STATISTICAL THERMODYNAMICS: CONCEPT OF DISTRIBUTION	Micelles. Theoretical and Applied Aspects. V. Moroi, Plenum			
50	LECTURE 50		MAXWELL BOLTZMANN DISTRIBUTION LAW		Video		
51	LECTURE 51		MAXWELL BOLTZMANN DISTRIBUTION LAW		Video		
52	LECTURE 52		BOSE EINSTEIN DISTRIBUTION LAW				
53	LECTURE 53		BOSE EINSTEIN DISTRIBUTION LAW		Video		



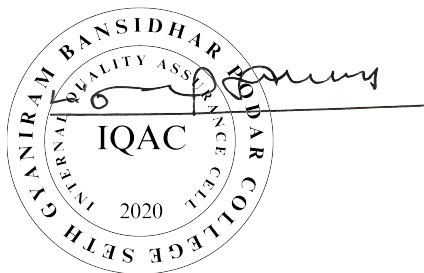
54	LECTURE 54		FERMI DIRAC DISTRIBUTION LAW				
55	LECTURE 55		FERMI DIRAC DISTRIBUTION LAW				
56	LECTURE 56		PARTITION FUNCTIONS			Video	
57	LECTURE 57		TRANSLATIONAL			Video	
58	LECTURE 58		ROTATIONAL,			Video	
59	LECTURE 59		VIBRATIONAL			Video	
60	LECTURE 60		ELECTRONIC PARTITION FUNCTIONS			Video	
61	LECTURE 61		CALCULATION OF THERMODYNAMIC PROPERTIES IN TERMS OF PARTITION FUNCTIONS			Video	
62	LECTURE 62		APPLICATION OF PARTITION FUNCTIONS				
63	LECTURE 63		CONCEPT OF ENSEMBLE				
64	LECTURE 64		CANONICAL ENSEMBLE				
65	LECTURE 65		GRAND CANONICAL AND MICRO CANONICAL ENSEMBLES				
66	LECTURE 66		HEAT CAPACITY BEHAVIOUR OF SOLIDS-CHEMICAL EQUILIBRIUM				
67	LECTURE 67		EQUILIBRIUM CONSTANT IN TERMS OF PARTITION FUNCTIONS				
			UNIT-III				
68	LECTURE 68	III	CHEMICAL DYNAMICS : METHODS OF DETERMINING RATE LAWS,	Chemical Kinetics. K.J. Laidler	P P T	Video	Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
69	LECTURE 69		COLLISION THEORY OF REACTION RATES, STERIC FACTOR,,			Video	
70	LECTURE 70		IONIC REACTIONS			Video	
71	LECTURE 71		KINETIC SALT EFFECTS			Video	
72	LECTURE 72		ACTIVATED COMPLEX THEORY				
73	LECTURE 73		ARRHENIUS EQUATION AND THE ACTIVATED COMPLEX THEORY			Video	



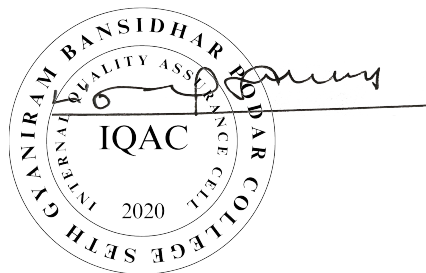
74	LECTURE 74	STEADY STATE KINETICS				
75	LECTURE 75	KINETIC AND THERMODYNAMIC CONTROL OF REACTIONS			Video	
76	LECTURE 76					
77	LECTURE 77	TREATMENT OF UNIMOLECULAR REACTIONS.				
78	LECTURE 78	DYNAMIC CHAIN REACTIONS HYDROGEN-BROMINE REACTION				
79	LECTURE 79	PYROLYSIS OF ACETALDEHYDE				
80	LECTURE 80	DECOMPOSITION OF ETHANE				
81	LECTURE 81	PHOTOCHEMICAL REACTIONS HYDROGEN-BROMINE AND HYDROGEN-CHLORINE				
82	LECTURE 82	HOMOGENEOUS CATALYSIS,				
83	LECTURE 83	KINETICS OF ENZYME REACTIONS, GENERAL FEATURES OF FAST REACTIONS,				
84	LECTURE 84	STUDY OF FAST REACTIONS BY FLOW METHODS, RELAXATION METHOD, FLASH PHOTOLYSIS				
85	LECTURE 85	DYNAMICS OF UNIMOLECULAR REACTIONS (LINDEMANN			Video	
86	LECTURE 86	HINSHELWOOD AND RICE-RAMSPERGER-KASSEL- (RRKM) MARCUS			Video	
87	LECTURE 87	THE NUCLEAR MAGNETIC RESONANCE METHOD,				
		UNIT-IV				



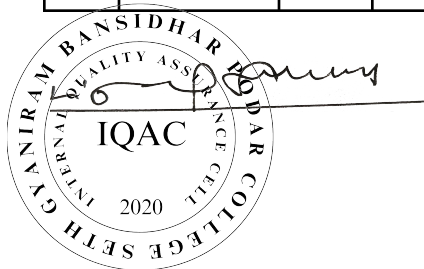
88	LECTURE 88	IV	ADSORPTION SURFACE TENSION	Introduction to Polymer Science, V.R. Gowarikar, N.V. Vishwanath an and J. Sridhar	P P T	Video	Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
89	LECTURE 89		CAPILLARY ACTION,				
90	LECTURE 90		PRESSURE DIFFERENCE ACROSS CURVED SURFACE (LAPLACE EQUATION)				
91	LECTURE 91		VAPOUR PRESSURE OF DROPLETS (KELVIN EQUATION).				
92	LECTURE 92		GIBBS ADSORPTION ISOTHERM,				
93	LECTURE 93		ESTIMATION OF SURFACE AREA (BET EQUATION),				
94	LECTURE 94		SURFACE FILMS ON LIQUIDS (ELECTRO-KINETIC PHENOMENON).				
95	LECTURE 95		MICELLES : SULFACE ACTIVE AGENTS				
96	LECTURE 96		CLASSIFICATION OF SURFACE ACTIVE AGENTS,				
97	LECTURE 97		MICELLIZATION. HYDROPHOBIC INTERACTION				
98	LECTURE 98		, , CRITICAL MICELLAR CONCENTRATION (CMC),				
99	LECTURE 99		FACTORS AFFECTING THE CMC OF SURFACTANTS, COUNTER ION BONDING TO MICELLES.				
100	LECTURE 100		THERMODYNAMICS OF MICELLIZATION				
101	LECTURE 101		SOLUBILIZATION, PHASE SEPARATION AND MASS ACTION MODELS,				
102	LECTURE 102		MICRO EMULSION, REVERSE MICELLES.				
103	LECTURE 103	FACTORS AFFECTING THE CMC OF SURFACTANTS, COUNTER ION BONDING TO MICELLES.					
104	LECTURE 104	MOLECULAR MASS, NUMBER AND MASS AVERAGE MOLECULAR MASS,					
105	LECTURE 105	MOLECULAR MASS DETERMINATION OSMOMETRY					



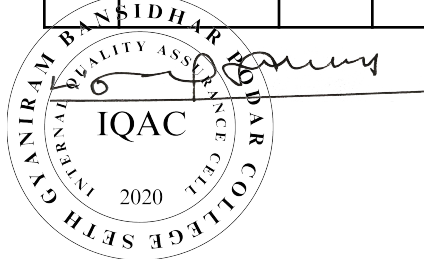
106	LECTURE 106		MOLECULAR MASS DETERMINATION VISCOMETRY			Video	
107	LECTURE 107		MOLECULAR MASS DETERMINATION DIFFUSION AND LIGHT SCATTERING METHODS				
108	LECTURE 108		CALCULATION OF AVERAGE DIMENSION OF VARIOUS CHAIN STRUCTURES.				
UNIT-V							
109	LECTURE 109	V	ELECTROCHEMISTRY : ELECTROCHEMISTRY OF SOLUTIONS.	Modern Electrochem istry Vol. I and Vol. II, J.O'M. Bockris and A.K.N. Reddy, Plenum.	P P T		Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
110	LECTURE 110		DEBYE-HUCKEL-ONASGER TREATMENT AND ITS EXTENSION, I				
111	LECTURE 111		ON SOLVENT INTERACTIONS.				
112	LECTURE 112		DEBYE-HUCKEL-JERUM MODE.				
113	LECTURE 113		THERMODYNAMICS OF ELECTRIFIED INTERFACE EQUATIONS.				
114	LECTURE 114		DERIVATION OF ELECTRO CAPILLARITY, LIPPMANN EQUATIONS (SURFACE EXCESS), METHODS OF DETERMINATION.				
115	LECTURE 115						
116	LECTURE 116		STRUCTURE OF ELECTRIFIED INTERFACES.				
PODAR COLLEGE NAWALAGARH LECTURE PLAN SESSION 2023-24 Subject:-Chemistry Class:- M.Sc Previous Paper Name :- Spectroscopy (C4)							
S.No.	LECTURE No.	UNIT No.	TOPIC TO BE COVERED	BOOKS REFERRED	PPT USE D	VIDEO USED	OTHER ICT TOOLS
UNIT-I							



1	LECTURE 1	I	ELECTROMAGNETIC RADIATION, INTERACTION WITH MATTER ABSORPTION, EMISSION, TRANSMISSION	Modern Spectroscopy, y. J.M. Hollas	P P T		Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
2	LECTURE 2		REFLECTION, REFRACTION, DISPERSION, POLARISATION & SCATTERING				
3	LECTURE 3		NATURAL LINE WIDTH AND NATURAL LINE BROADENING				
4	LECTURE 4		TRANSITION PROBABILITY				
5	LECTURE 5		PERTURBATION THEORY				
6	LECTURE 6		TRANSITION MOMENT SELECTION RULE INTENSITY OF SPECTRAL LINES				
7	LECTURE 7		- ROTATIONAL (MICROWAVE) SPECTROSCOPY, ROTATION OF MOLECULES (LINEAR, SYMMETRIC				
8	LECTURE 8		TOP (OBLATE & PROLATE) SPHERICAL TOP, ASYMMETRIC TOP				
9	LECTURE 9		RIGID ROTATOR, SELECTION RULE				
10	LECTURE 10		INTENSITY OF ROTATIONAL SPECTRAL LINES				
11	LECTURE 11		, MAXWELL-BOLTZMANN DISTRIBUTION LAW				
12	LECTURE 12		NON-RIGID ROTATOR				
13	LECTURE 13		ISOTOPE EFFECT ON ROTATIONAL SPECTRA				
			UNIT-II				
14	LECTURE 14	II	VIBRATIONAL SPECTROSCOPY INTRODUCTION	Basic Principles of Spectroscopy y. R. Change	P P T		Computer projector Google Classroom Google Meet KingDraw Chemical structure
15	LECTURE 15		HARMONIC OSCILLATOR				
16	LECTURE 16		ANHARMONIC OSCILLATOR SELECTION RULES				
17	LECTURE 17		VIBRATIONAL ROTATIONAL SPECTROSCOPY				

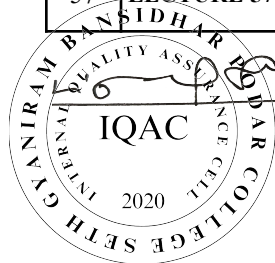


18	LECTURE 18		PQR BRANCHES				editor Chemdraw	
19	LECTURE 19		FACTORS AFFECTING VIBRATIONAL SPECTROSCOPY					
20	LECTURE 20		CLASSICAL AND QUANTUM THEORIES OF RAMAN EFFECT					
21	LECTURE 21		VIBRATIONAL-ROTATIONAL RAMAN SPECTRA SELECTION RULE					
22	LECTURE 22		MUTUAL EXCLUSION PRINCIPAL					
23	LECTURE 23		CARS(COHERENT ANTISTOKES RAMAN SPECTROSCOPY					
			UNIT-III					
24	LECTURE 24		ATOMIC SPECTROSCOPY ENERGIES OF ATOMIC ORBITRALS					
25	LECTURE 25		VECTOR COUPLING					
26	LECTURE 26		SPECTRA OF HYDROGEN ATOM AND ALKALI METALS					
27	LECTURE 27		MOLECULER SPECTROSCOPY ENERGY LEVEL ,MOLECULER ORBITALS					
28	LECTURE 28		VIBRONIC TRANSITIONS,VIBRATIONAL PROGRESSION					
29	LECTURE 29		GEOMETRY OF THE EXITED STATE	Introduction	P P T			
30	LECTURE 30		FRANCK CONDON PRINCIPAL	to				
31	LECTURE 31	III	CHARGE TRANSFER SPECTRA	Photoelectro				
32	LECTURE 32		PHOTOELECTRON SPECTROSCOPY BASIC PRINCIPALS	n				
33	LECTURE 33		PHOTO ELECTRIC EFFECT	Spectroscop				
34	LECTURE 34		IONISATION PROCESS	y				
35	LECTURE 35		KOOPMAN'S THEOREM PHOTO ELECTRON SPECTRA OF SIMPLE MOLECULES					
36	LECTURE 36		ESCA					
37	LECTURE 37		CHEMICAL INFORMATION OF ESCA					
								Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw

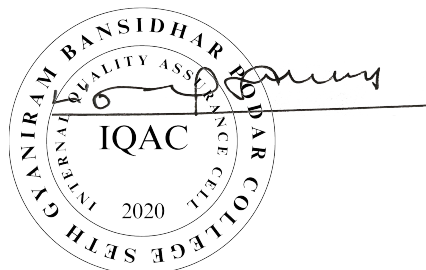


38	LECTURE 38		AUGER ELECTRON SPECTROSCOPY				
39	LECTURE 39		AUGER ELECTRON SPECTROSCOPY				
			UNIT-IV				
40	LECTURE 40	IV	NMR SPECTROSCOPY	Introduction to Magnetic Resonance, A Carrington and A.D. Maclachlan, Harper & Row.	P P T		
41	LECTURE 41		GENERAL INTRODUCTION, NUCLEAR SPIN			Video	
42	LECTURE 42		NUCLEAR RESONANCE. PROTON NMR SPECTROSCOPY			Video	
43	LECTURE 43		SHIELDING MECHANISM, CHEMICAL SHIFT AND ITS MEASUREMENTS			Video	
44	LECTURE 44		FACTORS INFLUENCING CHEMICAL SHIFT				
45	LECTURE 45		DESHIELDING. CHEMICAL SHIFT VALUES			Video	
46	LECTURE 46		CORRELATION FOR PROTONS BONDED TO CARBON				
47	LECTURE 47		ALIPHATIC, OLEFINIC, ALDEHYDIC AND AROMATIC				
48	LECTURE 48		OTHER NUCLEI (ALCOHOLS, PHENOLS, ENOLS)			Video	
49	LECTURE 49		CARBOXYLIC ACIDS, AMINES, AMIDES				
50	LECTURE 50		SPIN-SPIN INTERACTIONS, COUPLING CONSTANT 'J'				
51	LECTURE 51		FACTORS INFLUENCING COUPLING CONSTANT			Video	
52	LECTURE 52		COMPLEX SPIN-SPIN INTERACTION BETWEEN TWO, THREE				
53	LECTURE 53		FOUR AND FIVE NUCLEI (ABX, AMX, ABC, A232, ETC)				
54	LECTURE 54		SPIN DECOUPLING				
55	LECTURE 55	CHEMICAL EXCHANGE, EFFECT OF DEUTERATION					
56	LECTURE 56	SIMPLIFICATION OF COMPLEX SPECTRA					
57	LECTURE 57	NUCLEAR MAGNETIC DOUBLE RESONANCE					

Computer projector
Google Classroom
Google Meet
KingDraw
Chemical structure editor
Chemdraw

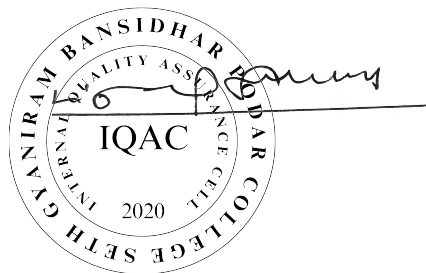


58	LECTURE 58	NMR SHIFT REAGENTS, SOLVENT EFFECTS				
59	LECTURE 59	NMR OF PARAMAGNETIC SUBSTANCES IN SOLUTION				
60	LECTURE 60	THE CONTACT AND PSEUDOCONTACT SHIFTS				
61	LECTURE 61	FACTORS AFFECTING NUCLEAR RELAXATION				
62	LECTURE 62	NUCLEAR OVERHAUSER EFFECT (NOE)				
63	LECTURE 63	¹³ C-NMR SPECTROSCOPY			Video	
64	LECTURE 64	³¹ P NMR SPECTROSCOPY				
65	LECTURE 65	ELECTRON SPIN RESONANCE SPECTROSCOPY BASIC PRINCIPAL	NMR, NQR, EPR and Mossbauer Spectroscopy in Inorganic Chemistry, R.V. Parish, Ellis Harwood.			
66	LECTURE 66	ZERO FIELD SPLITTING AND KRAMER'S DEGENERACY				
67	LECTURE 67	ISOTROPIC AND ANISOTROPIC HYPERFINE COUPLING				
68	LECTURE 68	SPIN ORBIT COUPLING				
69	LECTURE 69	SIGNIFICANCE OF g-TENSORS				
70	LECTURE 70	FACTORS AFFECTING THE g-VALUE				
71	LECTURE 71	APPLICATION TO TRANSITION METAL COMPLEXES				
72	LECTURE 72	SPIN HAMILTONIAN				
73	LECTURE 73	SPIN DENSITIES McCONNELL RELATIONSHIP				
74	LECTURE 74	SPIN POLARIZATION FOR ATOMS AND TRANSITION METAL IONS				
		UNIT-V				



75	LECTURE 75	V	X-ray DIFFRACTION BRAGG CONDITION	Physical Methods in Chemistry	P P T	Computer projector Google Classroom Google Meet KingDraw Chemical structure editor Chemdraw
76	LECTURE 76		MILLER INDICES			
77	LECTURE 77		LAUE METHOD BRAGG METHOD			
78	LECTURE 78		DEBYE SCHERRER METHOD STRUCTURE ANALYSIS OF CRYSTALS			
79	LECTURE 79		INDEX REFLECTION			
80	LECTURE 80		IDENTIFICATION OF UNIT CELLS			
81	LECTURE 81		STRUCTURE OF SIMPLE LATTICE AND X-ray INTENSITIES			
82	LECTURE 82		PHASE PROBLEM			
83	LECTURE 83		ABSOLUTE CONFIGURATION OF MOLECULES			
84	LECTURE 84		ELECTRON DIFFRACTION:-SCATTERING INTENSITY Vs SCATTERING ANGLE			
85	LECTURE 85		WIERL EQUATION			
86	LECTURE 86		MEASUREMENT TECHNIQUE			
87	LECTURE 87		ELUCIDATION OF STRUCTURE OF SIMPLE GAS PHASE MOLECULE			
88	LECTURE 88		NEUTRON DIFFRACTION:-SCATTERING OF NEUTRONS BY SOLIDS			
89	LECTURE 89	MEASUREMENT TECHNIQUES.				
90	LECTURE 90	ELUCIDATION OF STRUCTURE OF MAGNETICALLY ORDERED UNIT CELL				

Teaching Methods



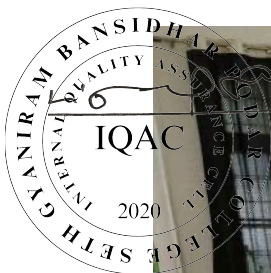
At Seth Gyaniram Bansidhar Podar College, diverse teaching methods are employed to create an engaging and effective learning environment. Faculty members incorporate a variety of instructional strategies, including lectures, discussions, seminars, webinars, and projects. This approach caters to different learning styles and keeps students actively involved in the learning process.

The college also leverages technology to enhance teaching and learning. E-resources, software, and online tools are integrated into classroom activities, making learning more interactive and accessible. This blend of traditional and modern teaching techniques ensures that students receive a well-rounded education that prepares them for future challenges.

By using a mix of pedagogical methods and technological tools, Seth Gyaniram Bansidhar Podar College fosters a dynamic and stimulating educational experience, promoting both academic excellence and personal growth.



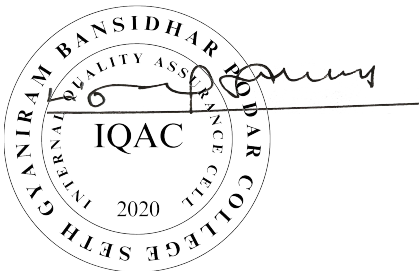
Expert Talk





Seminar

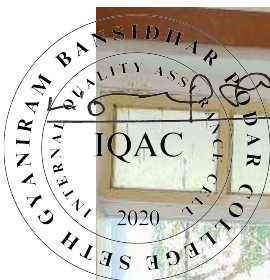
Minutes of Meeting



At Seth Gyaniram Bansidhar Podar College, departmental meeting minutes play a crucial role in maintaining effective communication and accountability. These minutes serve as an official record of discussions, decisions, and actions agreed upon during departmental meetings. They ensure that all faculty members are informed about key points, facilitating transparency and consistency in departmental operations.

By documenting the proceedings, minutes help in tracking progress on various initiatives, identifying areas for improvement, and ensuring that tasks are assigned and completed on time. They also provide a reference for future meetings, helping to avoid redundancy and ensuring that previous decisions are followed up.

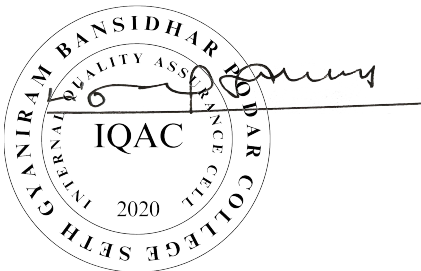
Overall, the meticulous maintenance of departmental meeting minutes enhances coordination, promotes a collaborative environment, and contributes to the continuous improvement of educational practices at Seth Gyaniram Bansidhar Podar College.





Staff Meetings

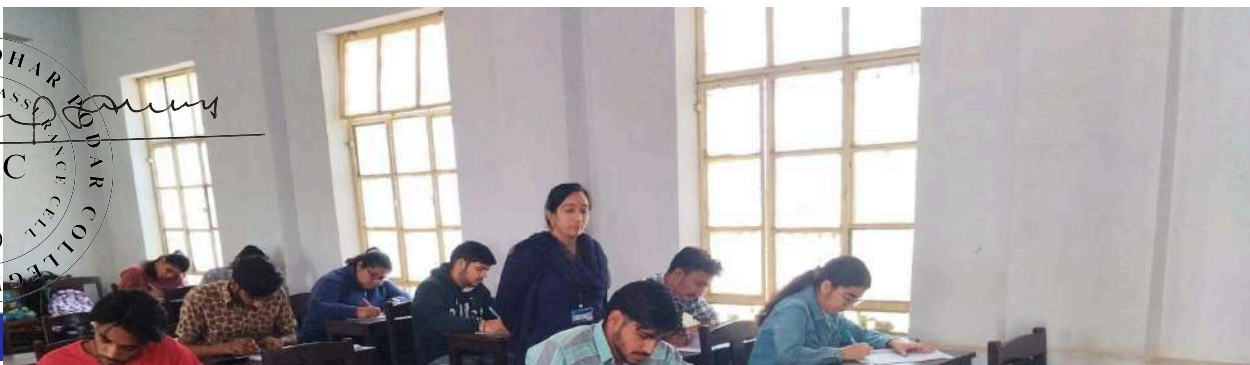
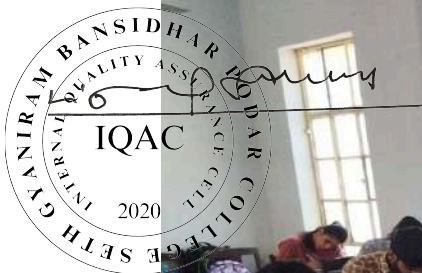
Continuous Internal Assessment



Continuous internal assessment is vital at Seth Gyaniram Bansidhar Podar College as it ensures regular evaluation of students' progress and understanding throughout the academic year. This ongoing assessment process includes tests, quizzes, assignments, and projects, providing timely feedback to both students and faculty.

Such continuous evaluation helps in identifying learning gaps early, allowing for prompt interventions and support. It also encourages consistent effort and study habits among students, as they receive frequent feedback on their performance.

Moreover, the data gathered from these assessments informs curriculum adjustments and teaching methodologies, enhancing overall educational quality. By integrating continuous internal assessment, the college fosters a dynamic learning environment that promotes academic excellence and personal growth.





SETH GYANIRAM BANSIDHAR PODAR COLLEGE

(Grade "A" in NAAC Accreditation)

Podar Educational Campus, Nawalgarh - 333042 (Raj.)

Ref.No. GBPC/2023-24/194

Dated: 17/ 11/ 2023

Notice

All Faculty members are hereby informed that First Term Test of UG and PG classes will be held from 20th November, 2023 in following term test conditions.

- (i) All faculty members will submit their subject question papers to Dr. Vidyadhar Sharma (Coordinator, Internal Examination Committee) in due dates as described in time table (enclosed).
- (ii) PG classes First Term Test will be conducted by respective departments.
- (iii) All faculty members will engage in invigilation duty during First Term Test.
- (iv) All faculty members will check their Answer Books within 03 days of test of their subject and will show checked Answer Books to their students in class.
- (v) All faculty members will cooperate and follow the instructions given by the Internal Examination Committee.

Dr.
17/11/23
(Dr. Satyendra Singh)
Principal

Copy to:-

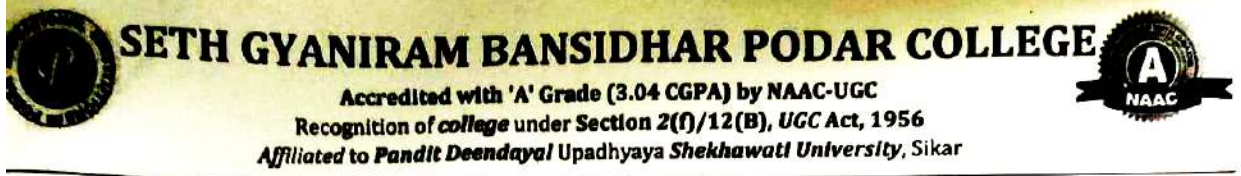
1. Shri M. D. Shanbhag Sir, Executive Director, APT, Nawalgarh
2. Dr. Rajendra Kumar, C.O.O., APT, Nawalgarh
3. Dr. Vinod Kumar Saini, Vice-Principal, Podar College, Nawalgarh
4. All HODs
5. Office record

RambilasPodar Road, Nawalgarh, Dist: Jhunjhunu - 333042

Contact No: 8619868884

Web Site: www.podarcollege.com E-Mail: principal@podarcollege.com






क्रमांक / जी.बी.पी.सी / 2023-24 / 407

दिनांक:- 02/03/2024

नोटिस

महाविद्यालय के सभी U.G. & P.G. के विद्यार्थियों को सूचित किया जाता है, कि दिनांक 06.03.2024 से महाविद्यालय में Pre University Test (PUT) होने जा रही है। प्रायोगिक परीक्षा में सम्मिलित होने के लिए PUT परीक्षा के सभी विषयों में भाग लेने का No Dues लाना आवश्यक होगा। परीक्षा की समय-सारणी नोटिस बोर्ड पर चस्पा कर दी गई है।

अतः सभी विद्यार्थी समय-सारणी के अनुसार परीक्षा में अनिवार्य रूप से सम्मिलित होंगे।


(डॉ. विद्याधर शर्मा)
समन्वयक PUT


(डॉ. सत्येन्द्र सिंह)
प्राचार्य

प्रतिलिपि सूचनार्थ:-

- श्रीमान एम. डी. शानभाग सर, अधिशाषी निदेशक, ए.पी.टी., नवलगढ
- डॉ. राजेन्द्र कुमार, सी.ओ.ओ., ए.पी.टी., नवलगढ
- डॉ. विनोद कुमार सैनी, उप-प्राचार्य, पोदार कॉलेज, नवलगढ
- क्लास सर्कुलेशन
- वेबसाइट प्रतिलिपि
- नोटिस बोर्ड
- ऑफिस रिकॉर्ड

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Seth Gyaniram Bansidhar Podar College, Nawalgarh

First Term Test, November-2023

U.G./Time Table

Session-2023-24



Ref.No. : GBPC/2023-24/195

Time - 10:00 to 1:00 pm

Date	B.Sc./B.Com./B.A./B.B.A./B.C.A. Part I	B.Sc./B.Com./B.A./B.B.A./B.C.A. Part II	B.Sc./B.Com./B.A./B.B.A./B.C.A. Part III
20/11/2023	Chemistry	Math/Botany	Physics/Zoology
	Business. Mgmt.	Strategic Mgmt.	Organizational Behavior
	Basic Mathematics	Discrete Mathematics	DSA
	EAFM	BADM	ABST
	Eng. Lit./Hin. Lit	Geography	Pol.Sci./Eco.
21/11/2023	Math/Botany	Chemistry	Math/Botany
	Business Communication	Marketing Mgmt.	Indian Mgmt. Thought
	Elementary Physics	Business Accounting	JAVA
	BADM	EAFM	BADM
	Geography	Pol.Sci./Eco.	Eng. Lit./Hin. Lit
22/11/2023	Physics/Zoology	Physics/Zoology	Chemistry
	Legal Aspects of Ind. Busi.	HRM	International Business
	General English	C++	Networking
	ABST	ABST	EAFM
	Pol.Sci./Eco.	Eng. Lit./Hin. Lit	Socio./His.
23/11/2023	Business Eco.	Business Finance	Cost & Mgmt. Acc.
	PPL	WSD	PHP
	Socio./His.	Socio./His.	Geography
27/11/2023	Financial Accounting	QT	Ecommerce
	OMT	DBMS	SAD
28/11/2023	Computer Fundamentals	MIS	-----
	CO	OS	Ecommerce

Note: It is compulsory to appear in First Term Test to all students.

(Signature)
13/11/23
(Dr. Satyendra Singh)
Principal

Copy To-

1. IQAC
2. Vice Principal
3. Office Record
4. All HOD's



Seth Gyaniram Bansidhar Podar College, Nawalgarh				
Pre-University Examination 2024				
Date	Part II	Part III	P.G. Previous	P.G. First
6/3/2024	Botany(R.N.76)	Zoology(R.N.77)		
	Math(R.N.94 & 95)	Physics(R.N.87 & 88)		
	Strategic Mgmt.	Organizational Behavior		
	Software Engineering	DSA		
	B.Admin (R.N.78)	ABST(R.N.79)		
	Geography (R.N.81,84)	Pol.Sci./Eco. (R.N.85)		
7/3/2024			Zoology-I (Department)	Zoology-I (Department)
			Physics-I (Department)	Physics-I (Department)
			Chemistry-I (Department)	Chemistry-I (Department)
			Botany-I (Department)	Botany-I (Department)
			Mathematics-I (Department)	Mathematics-I (Department)
			EAFM-I (R.N.76)	EAFM-I (R.N.76)
			Geography-I (R.N.87)	Geography-I (R.N.87)
			English-I (R.N.77)	English-I (R.N.77)
9/3/2024	Chemistry (R.N. 91,94 & 95)	Math (R.N.87 & 88)		
	Marketing Mgmt.	Botany (R.N.77)		
	PHP	Indian Mgmt. Thought		
	EAFM (R.N.78)	JAVA		
	Pol.Sci./Eco.(R.N. 81,84)	BADM(R.N.79)		
		Eng. Lit./Hin. Lit (R.N.85)		
11/3/2024	Physics.(R.N. 81,84)	Chemistry(R.N. 91,94 & 95)	Zoology-II (Department)	Zoology-II (Department)
	Zoology(R.N.76)		Physics-II (Department)	Physics-II (Department)
	HRM	International Business	Chemistry-II (Department)	Chemistry-II (Department)
	C++	Networking	Botany-II (Department)	Botany-II (Department)
	ABST(R.N.78)	EAFM(R.N.79)	Mathematics-II (Department)	Mathematics-II (Department)
	Eng. Lit./Hin. Lit(R.N.85)	Socio./His.(R.N.86)	EAFM-II (R.N.88)	EAFM-II (R.N.88)
			Geography-II (R.N.87)	Geography-II (R.N.87)
			English-II (R.N.77)	English-II (R.N.77)
12/3/2024	Business Finance	Cost & Mgmt. Acc.	Zoology-III (Department)	Zoology-III (Department)
	Cloud Computing	PHP	Physics-III (Department)	Physics-III (Department)
	Socio./His.(R.N.86)	Geography(R.N. 81,84)	Chemistry-III (Department)	Chemistry-III (Department)
			Botany-III (Department)	Botany-III (Department)
			Mathematics-III (Department)	Mathematics-III (Department)
			EAFM-III (R.N.88)	EAFM-III (R.N.88)
			Geography-III (R.N.87)	Geography-III (R.N.87)
			English-III (R.N.87)	English-III (R.N.87)
			Political-III (R.N.87)	Political-III (R.N.87)
				Sociology-III (R.N.87)
13/3/2024	QT	Ecommerce (BBA)	Zoology-IV (Department)	Zoology-IV (Department)
	DBMS	SAD	Physics-IV (Department)	Physics-IV (Department)
			Chemistry-IV (Department)	Chemistry-IV (Department)
			Botany-IV (Department)	Botany-IV (Department)
			Mathematics-IV (Department)	Mathematics-IV (Department)
			EAFM-IV (R.N.88)	EAFM-IV (R.N.88)
			Geography-IV (R.N.87)	Geography-IV (R.N.87)
			English-IV (R.N.87)	English-IV (R.N.87)
14/3/2024	MIS	Ecommerce (BCA)	Zoology-V (Department)	Zoology-V (Department)
	DSA		Chemistry-V (Department)	Chemistry-V (Department)
			Botany-V (Department)	Botany-V (Department)
			Mathematics-V (Department)	Mathematics-V (Department)
				English-V (R.N.87)
				Political-V (R.N.87)
15/3/2024				Sociology-V (R.N.87)
			Chemistry-VI (Department)	Chemistry-VI (Department)
			Zoology-VI (Department)	Zoology-VI (Department)
16/3/2024			Botany-VI (Department)	Botany-VI (Department)
				Chemistry-VII (Department)

[Signature]
 Dr. Vidyadhar Sharma
 Coordinator, Internal Assessment

[Signature]
 Dr. Satish Singh
 Principal 02/3/24

