

### Curriculum Structure of UG & PG Program with Industrial Chemistry as per NEP-2020

		G 11 47	G 1: AW	G 1: 4 W	C 1 · AW	¥7 /* 1444	C 1 22	D 1D 11		
		Subject I Major	Subject II Major	Subject III Major	Subject IV Minor Elective	Vocational*** Minor	Co-curricular** Minor	Research Project etc. Major		
		4/5/6Credits	4/5/6 Credits	4/5/6 Credits	4/5/6 Credits	3 Credits	2 Credits	3/6/8 Credits	Min.	Cumulative
Y.	Sem.	Own Faculty	Own Faculty	Own/Other Faculty	Other Faculty	Vocational/ Skill development course	Co-curricular (Qualifying)	Inter/Intra Faculty related to main subject	Credits (Year)	minimum credits
	I	Fundamental of Industrial Chemistry (Th-4) Basic Analytical Methods (Pract-2)	Fundamentals of Chemistry (Th-4)	Water Treatment and Analysis (Th-4)		Plastic Waste Management	Food, Nutrition and Hygiene			0 (46)
	1	Basic Analytical Methods (Pract-2)	Quantitative Analysis (Pract-2)	Water Quality Analysis (Pract-2)		(3-Credit)	(2-Credit)		50 (First	(Certificate in Materials and
1	п	Material Science and Techniques in Chemical Industries (Th-4)	Bioorganic and Materials Chemistry (Th-4)	Inorganic Chemical Process Industry (Th-4)	Elementary Mathematics/ Essential Professional	Laboratory safety & Sample Handling	First Aid and Health		Year)	Techniques in Chemical Industries)
	П	Materialistic Analysis (Pract-2)	Biochemical Analysis (Pract-2)	Titrimetric Analysis (Pract-2)	Communication (Th-4)	(3-Credit)	(2-Credit)			
		Process Instrumentation and Industrial Chemical Analysis ( <b>Th-4</b> )	Chemical Dynamics & Coordination Chemistry (Th-4)	Chemical Process and Unit Operation in Industry ( <b>Th-4</b> )		Food Testing and Quality Control	Human Values and Environment studies			00 (02)
	Ш	Industrial Chemical and Instrumentation Analysis ( <b>Pract-2</b> )	Physical Analysis (Pract-2)	Chemical Preparation and Analysis (Pract-2)		(3-Credit)	(2-Credit)		50 (Seco nd	00 (92) (Diploma in Industrial
2	IV	Process Chemistry (Th-4) Qualitative and Synthetic Methods	Quantum Mechanics and Analytical Techniques (Th-4) Instrumental Analysis	Industrial Waste Treatment & Management (Th-4) Industrial Waste Analysis	Basic Manufacturing Process/ Elementary Mathematics	Organic Forming	Physical Education and Yoga		Year)	Instrumentation and Chemical Analysis)
	10	(Pract-2)  Industrial Chemical	(Pract-2) Pollution, its Management and	(Pract-2)	(Th-4)	(3-Credit)	(2-Credit)			
	v	(Th-4) Industrial Aspects of Organic Chemistry (Th-4) Industrial Chemicals and Pollution Management (Pract-2)	Industrial Economics (Th-4) Food and Dairy Chemistry (Th-4) Qualitative Analysis (Pract-2)				Analytic Ability and Digital Awareness (2-Credit)	Research Project-1 (3-Credit)		
		Agrochem								
		General & Halogenated Insecticide (Th-4)	Fungicides and Herbicides (Th-4)							
		Petrochemicals (Th-4)	Chemistry of Dyes (Th-4)							
		Analysis of Agrochemicals-I (Pract-2)	Analysis of Agrochemicals-II (Pract-2)						50	150 (138)
			Chemistry (02)*						(Third	(B.Sc. Industrial
		Pharmaceutical and Phytochemicals (Th-4)	Medicinal Chemistry and Toxicology (Th-4)						Year)	Chemistry)
		Petrochemicals (Th-4)	Chemistry of Dyes (Th-4)				Communication Skills and			
3	VI	Experimental Pharmaceutical Chemistry-I ( <b>Pract-2</b> )	Experimental Pharmaceutical Chemistry-II ( <b>Pract-2</b> )				Personality Development	Research Project-2 (3-Credit)		
		Polymer So					(2-Credit)	, ,		
		Synthetic Polymer (Th-4)	Polymerization Techniques and Characterization (Th-4)				•			
		Petrochemicals (Th-4)	Chemistry of Dyes (Th-4)							
		Synthesis and Analysis of Polymers-I (Pract-2)	Synthesis and Analysis of Polymers-II (Pract-2)							

				T			
		Inorganic Chemistry-I					
		(Th-4)					
		Organic Chemistry-I					
		(Th-4)					
		Physical Chemistry-I			Research Project		
	VII	(Th-4)			(6-Credit)		
		Modern Analytical Techniques			(* *******)		
		(Th-4)					
		Industrial Chemistry Practical-I					
		(Pract-4)				56	
		Inorganic Chemistry-II				(Fourt	206 (192)
		inorganic Chemistry-II					(B.Sc. (Research)
4		(Th-4)				h	Industrial
-		Organic Chemistry-II				Year)	Chemistry)
		(Th-4)					
		Physical Chemistry-II	Applied				
		(Th-4)	Statistics/Research		Research Project		
	VIII	Coordination and	Methodology		(6-Credit)		
		Organometallic Chemistry	(Th 4)				
		of Transition Elements					
		(Th-4)					
		Industrial Chemistry Practical-II					
		(Pract-4)					
		Heavy & Fine Chemicals/ Chemistry of					
		Industrial Minerals					
		(Th-4)					
		Surfactants and Coatings/ Chemistry of					
		Oils, Fats, Proteins					
		(Th-4)					
					Research Project		
	IX	Petroleum Chemistry/ Cosmetics &			(6-Credit)		
		Perfumery			(o-creat)		
		(Th-4)					
		Quantum Chemistry					
		(Th-4)					
		Advance Chemistry Practical-I					
		(Pract-4)					250 (240)
		Bioinorganic & Supra molecular				52 (Fifth	258 (246) (M.Sc. Industrial
		Chemistry / Organo-transition Metal					
		Chemistry / Organo-transition Metal Chemistry				Year)	Chemistry)
5		(Th-4)					
		Modern Analytical Techniques / MIMA					
		& Computational Techniques					
		(Th-4)			Research Project		
	IX	Pharmaceutical Chemistry/ Green			(6-Credit)		
		Chemistry			(5 2-3)		
		(Th-4)					
		Molecular Spectroscopy and					
		Spectral Techniques					
		(Th-4)					
		Advance Chemistry Practical-II					
		(Pract-4)				1	1

<sup>\*01, 02 &</sup>amp; 03 for the elective papers Polymer Chemistry, Pharmaceutical Chemistry & Agrochemicals respectively in semester-VI. \*\*Co-curricular courses offered by UP higher education. \*\*\* Vocational courses offered by respective Department/ University



### Curriculum Structure with Subject Code of UG Program with Industrial Chemistry as per NEP-2020

	Subject II Subject III Subject III		Subject III	Subject IV	Vocational***	Co-curricular**	Research Project etc.			
		Major	Major	Major	Minor Elective	Minor	Minor	Major	Min.	G 1.
		4/5/6Credits	4/5/6 Credits	4/5/6 Credits	4/5/6 Credits	3 Credits	2 Credits	3/6/8 Credits	Credits	Cumulative
Y.	Sem.	Own Faculty	Own Faculty	Own/Other Faculty	Other Faculty	Vocational/ Skill development course	Co-curricular (Qualifying)	Inter/Intra Faculty related to main subject	(Year)	minimum credits
		B190101T/ CH131	B020101T/ CH132	CH135						
		(Th-4)	(Th-4)	(Th-4)		CH137	Z010101T			
	I	B190102P/ CH133	B020102P/CH134	CH136		(3-Credit)	(2-Credit)			50
		(Pract-2)	(Pract-2)	(Pract-2)			(2-Cledit)		50	(Certificate in
		B190201T/ CH138	B020201T/ CH139	CH142					(First	Materials and
1		(Th-4)	(Th-4)	(Th-4)	MT108/LN104	CH144	<b>Z02020</b>		Year)	Techniques in
	П	B190202P/ CH140	B020202P/ CH141	CH143	(Th-4)	(3-Credit)	(2-Credit)		rear)	Chemical
		(Pract-2)	(Pract-2)	(Pract-2)		(3-Cledit)	(2-Cledit)			Industries)
		B190301T/ CH231	B020301T/ CH232	CH235						
		(Th-4)	(Th-4)	(Th-4)		CH237	Z030301			100
	III	B190302P/ CH233	B020302P/ CH234	CH236		(3-Credit)	(2-Credit)			100
		(Pract-2)	(Pract-2)	(Pract-2)		(3-Cledit)	(2-Cledit)		<b>50</b>	(Diploma in Industrial
		B190401T/ CH238	B020401T/ CH239	CH242				1	50	Instrumentation
2		(Th-4)	(Th-4)	(Th-4)	ME231/ MT108	CH244	7040401		(Second Year)	and Chemical
	IV	B190402P/ CH240	B020402P/ CH241	CH243	(Th-4)	(3-Credit)	<b>Z040401</b> (2-Credit)		rear)	Analysis)
		(Pract-2)	(Pract-2)	(Pract-2)		(3-Cledit)	(2-Cledit)			Allarysis)
		B190501T/ CH331	B190502T/ CH332							
		(Th-4)	(Th-4)							
		CH335	CH341			-	<b>Z050501</b>	<b>CH336</b>		
	V	(Th-4) B190503P/ CH333	(Th-4) B020503P/ CH334	-			(2-Credit)	(3-Credit)		
		(Pract-2)	(Pract-2)					, ,		
		AGROCHEM								
		B190609T/ CH337	B190610T/ CH338							
		(Th-4)	(Th-4)							
		CH346	CH351							
	-	(Th-4) B190611P/ CH339	(Th-4) B190611P/ CH340	-		-				
		(Pract-2)	(Pract-2)						50	150
	-	PHARMACEUTICAL							(Third	(B.Sc. Industrial
		B190605T/ CH342	B190606T/ CH343	1					Year)	Chemistry)
		(Th-4)	(Th-4)				Z060601	CH352	,	
		CH346	CH351	-			(2-Credit)	(3-Credit)		
		(Th-4)	(Th-4)			_	(2 Credit)	(5 Credit)		
3		B190607P/ CH344 (Pract-2)	B190607P/ CH345 (Pract-2)							
3		POLYMER S		1						1
	VI	B190601T/ CH347	B190602T/ CH348	1						1
		(Th-4)	(Th-4)							1
		CH346	CH351	1						1
		(Th-4)	(Th-4)							
		B190603P/ CH349	B190603P/ CH350			-				1
		(Pract-2)	(Pract-2)							<u> </u>



### Evaluation Scheme of UG & PG Program with Industrial Chemistry as per NEP-2020

Certificate in Materials and Techniques in Chemical Industries

Year: First / Semester: First (Odd Semester)

Cert	micate in Mate	riais and Techniques in Ch	ennear m	uustiics									rear: First / Semester: First (Out								Oud Semester
					Perio	ds/ Per	week	Contin	uous Asse	essment	п					A	ttribute	es			به
S. N.	Course Code	Course Title	Theory / Practical	Course Type	Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total	End Semester Examination (ESE)	Subject Total	Total Credit Points	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	United Nations Sustainable Development Goals (SDGs)
1	B190101T/CH131	Fundamental of Industrial Chemistry	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓		✓	8 ECONOMIC CREATE 9 AND REAL STRUCTURE
2	B020101T/CH132	Fundamentals of Chemistry	Theory	Core Major	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓		✓	S AND INFORMATION OF THE STATE
3	B190102P/CH133	Basic Analytical Methods	Practical	(Compulsory)	0	0	2	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	12 SECTION SECULIAR ASSOCIATION ASSOCIATIO
4	B020102PCH134	Quantitative Analysis	Practical		0	0	2	15	10	25	75	100	02	✓	✓	✓		✓	✓	<b>✓</b>	9 NO DEFECTION
5	CH135	Water Treatment and Analysis	Theory	Optional Major	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	6 CEAN MALE AND SOULATION
6	CH136	Water Quality Analysis	Practical	Course	0	0	2	15	10	25	75	100	02	<b>✓</b>	✓	<b>✓</b>		✓	✓	✓	6 Mag Santaton
7	CH137	Plastic Waste Management	Theory+ Practical	Vocational	1	0	2	-1	-	-	100	100	03	<b>✓</b>	✓	✓		✓	✓	✓	3 GOOD HEELIN 12 SECTIONS HEEL STATE CONSIDERLY HAS PROCUIDED.
8	Z010101T	Food Nutrition and Hygiene	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	<b>&gt;</b>	✓	✓		✓	✓	<b>√</b>	3 ECCO HILL-REING  AND WILL-REING
			TOTAL	12	3	8	105	70	175	625	800	23									



### Evaluation Scheme of UG & PG Program with Industrial Chemistry as per NEP 2020

**Certificate in Materials and Techniques in Chemical Industries** 

Year: First / Semester: Second (Even Semester)

	timeate in Mate	riais and reciniques in Cir	uustites										rear. First / Semester. Second							wen bemester)		
					Perio	ds/ Per	week	Contin	uous Asse	essment	=			Attributes				ıtes			<u>e</u>	
S.	N. Course Code	Course Title	Theory / Practical	Course Type	Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total	End Semester Examination (ESE)	Subject Total	Total Credit Points	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	United Nations Sustainable Development Goals (SDGs)	
1	B190201T/CH138	Material Science and Techniques in Chemical Industries	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓		✓	8 RECEIVE VALUE AND SHARE AND MAKESTRACTURE OF MAKESTRACTURE	
2	B020201T/CH139	Bioorganic and Materials Chemistry	Theory	Core Major	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓		✓	9 AND ANTACHOLOGIAE	
3	B190202P/CH140	Materialistic Analysis	Practical	(Compulsory)	0	0	2	15	10	25	75	100	02	✓	✓	<b>✓</b>		✓	✓	✓	12 RESTRICTED RESTRICT	
۷	B020202P/CH141	Biochemical Analysis	Practical		0	0	2	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	9 AND SPECIAL PROPERTY.	
5	CH142	Inorganic Chemical Process Industry	Theory	Optional Major	3	1	0	15	10	25	75	100	04	✓	<b>✓</b>	<b>✓</b>		✓	✓	<b>~</b>	6 MAD SHIRTON	
6	CH143	Titrimetric Analysis	Practical	Course	0	0	2	15	10	25	75	100	02	✓	<b>✓</b>	<b>✓</b>		✓	✓	<b>✓</b>	6 AND SMITATON	
7	MT108/ LN104	Elementary Mathematics/ Essential Professional Communication	Theory	Minor Course	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	3 AND WILL SEING 9 AND INTESTRUCTURE	
8	CH144	Laboratory safety & Sample Handling	Theory+ Practical	Vocational	1	0	2	-	-	-	100	100	03	✓	✓	<b>√</b>		✓	✓	✓	3 AND WILL SERVE TO SERVE CONSUMPTION AND SPECIALISM	
ç	Z02020	First Aid and Health	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	3 GOOD HELLTH  AND WELL BEING	
			TOTAL	15	4	8	120	80	200	700	900	27										



### Evaluation Scheme of UG & PG Program with Industrial Chemistry as per NEP 2020

Diploma in Industrial Instrumentation and Chemical Analysis) Year: Second / Semester: Third (Odd Semester) Periods/ Per week Continuous Assessment Attributes 3nd Semester Examination (ESE) Teacher Assessment (TA) **Fotal Credit Points** Professional Ethics Environment & Sustainability Class Test (CT) Subject Total Skill Developmen Gender Equality Human Value Employability Tutorial (T) Total Theory / Course Code Course Title Course Type Practical Instrumentation ✓ / B190301T/CH231 3 0 15 75 Theory 10 25 100 04 Industrial Chemical Analysis Chemical Dynamics & B020301T/CH232 15 ✓ Theory 10 25 75 100 Coordination Chemistry Core Major (Compulsory) Industrial Chemical and ✓ ✓ ✓ B190302P/CH233 Practical 2 15 10 25 75 100 02 CO Instrumentation Analysis ✓ B020302P/CH234 2 15 02 ✓ Physical Analysis Practical 10 25 75 100 Chemical and Process Unit 5 CH235 15 25 Theory 10 75 100 04 U Operation in Industry Optional Major Course Chemical Preparation and Analysis 2 15 CH236 Practical 0 0 10 25 75 100 02 7 Theory+ CH237 Food Testing and Quality Control Vocational 0 2 100 100 03 Practical CO Human Values and Environment Co-curricular Z030301 15 02 Theory 0 10 25 75 100 -M/ studies (Compulsory) TOTAL 12 105 175 625 800 23



### Evaluation Scheme of UG & PG Program with Industrial Chemistry as per NEP 2020

**Diploma in Industrial Instrumentation and Chemical Analysis** 

Year: Second / Semester: Fourth (Even Semester)

					Perio	ds/ Per	week	Contin	uous Asse	essment	-			Attributes							o Semester)
S. 1	i. Course Code	Course Title	Theory / Practical	Course Type	Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total	End Semester Examination (ESE)	Subject Total	Total Credit Points	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	United Nations Sustainable Development Goals (SDGs)
1	B190401T/CH238	Process Chemistry	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓		✓	8 ECENTIVE CREWIN 9 AND SHIP CONTROL OF THE CONTROL OF T
2	B020401T/CH239	Quantum Mechanics and Analytical Techniques	Theory	Core Major	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓		✓	9 RODSHI ROGULUN
3	B190402P/CH240	Qualitative and Synthetic Methods	Practical	(Compulsory)	0	0	2	15	10	25	75	100	02	✓	<b>✓</b>	✓		✓	✓	✓	12 HISPONERIC CONSUMPRIOR MAIN PROCESSION
4	B020402P/CH241	Instrumental Analysis	Practical		0	0	2	15	10	25	75	100	02	✓	<b>✓</b>	✓		✓	✓	✓	9 AND SWEATSHALLINE
5	CH242	Industrial Waste Treatment & Management	Theory	Optional Major	3	1	0	15	10	25	75	100	04	<b>√</b>	✓	<b>√</b>		✓	✓	✓	6 AND SANISATION
6	CH243	Industrial Waste Analysis	Practical	Course	0	0	2	15	10	25	75	100	02	✓	<b>✓</b>	✓		✓	✓	✓	6 AND SANSARON
7	ME231/ MT108	Basic Manufacturing Process/ Elementary Mathematics	Theory	Minor Course	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	3 AND WILL TERMS 9 AND SWILL REPORT
8	CH244	Organic Forming	Theory+ Practical	Vocational	1	0	2	-	-	-	100	100	03	✓	<b>✓</b>	✓		✓	✓	✓	3 ECON HIGHES 12 RESPONSED AND WILL-RENS RESPONSED AND PROCESSED AND PRO
9	Z040401	Physical Education and Yoga	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	3 MO WILL BEING
			TOTAL	15	4	8	120	80	200	700	900	27									



#### Evaluation Scheme of UG & PG Program with Industrial Chemistry as per NEP 2020

Year: Third / Semester: Fifth (Odd Semester)

✓

02

02

03

25

**B.Sc. Industrial Chemistry** 

B020503P/CH334

Z050501

CH336

Qualitative Analysis

Awareness

Research Project

Analytic Ability and Digital

Practical

Theory

Practical

0

2

14

Co-curricular

(Compulsory)

Core Major

TOTAL

0

4

0

14

Periods/Per week Continuous Assessment Attributes End Semester Examination (ESE) Teacher Assessment (TA) **Total Credit Points** Environment & Sustainability Subject Total Skill Development Class Test (CT) Gender Equality Tutorial (T) Practical (P) Theory / Total S. N. Course Code Course Title Course Type Practical B190501T/CH331 Industrial Chemicals 75 Theory 3 15 10 25 100 04 Industrial Aspects of Organic 2 15 CH335 Theory 3 1 0 10 25 75 100 04 Chemistry Industrial Chemicals and pollution ✓ 15 B190503P/CH333 Practical Practical 10 25 75 100 02 Management Core Major Pollution, its Management and (Compulsory) ✓ B190502T/CH332 0 15 10 25 75 100 04 Theory Industrial Economics ✓ 5 CH341 Food and Dairy Chemistry 15 10 25 75 100 04 ✓ U Theory 12 SESTINGUELE
CONSUMPTION
AND PROCECUTEN
3 ECODO HEALTH
AND WELL GEING

15

15

0

105

10

10

0

80

25

25

0

175

75

75

100

625

100

100

100

800



### Evaluation Scheme of UG & PG Program with Industrial Chemistry as per NEP 2020

R Sc. Industrial Chemistry

Vega: Third / Semester: Sixth (Even Semester)

B.Sc. Industrial Chemistry  Year: Third / Semester: Sixth (Even Seme														Even Semester)							
					Perio	ds/ Per	week	Contin	uous Asse	ssment	(E)		ts			A	ttribute	es			
S. N.	Course Code	Course Title	Theory / Practical	Course Type	Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total	End Semester Examination (ESE)	Subject Total	Total Credit Points	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	United Nations Sustainable Development Goals (SDGs)
	T			T	1	AG	ROCH	EMICAL	S (Electiv	ve)		ı									O DESCRIPTION O MEDICAMENTOS
1	B190609T/CH337	General & Halogenated Insecticides	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓		✓	O (COMMO COUNTY)
2	CH346	Petrochemicals	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓		✓	NO BROWN AND AND AND AND AND AND AND AND AND AN
3	B190611P/CH339	Analysis of Agrochemicals-I	Practical	Core Major	0	0	4	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	12 COUNTRY 9 MAN PROPERTY OF THE PROPERTY OF T
4	B190610T/CH338	Fungicides and Herbicides	Theory	(Compulsory)	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓		an tuatron
5	CH351	Chemistry of Dyes	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	9 300 800 90000
	B190611P/CH340	Analysis of Agrochemicals-II	Practical		0	0	4	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	12 figuration (observable for reaction)
	1		T	1	PHA	ARMA	CEUTIO	CAL CHI	EMISTRY	(Elective	2)		l		-						9 Maria Caracteria
1	B190605T/CH342	Pharmaceutical and Phytochemicals	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	B CONTRACTOR
2	CH346	Petrochemicals	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	M
3	B190607P/CH344	Experimental Pharmaceutical Chemistry-I	Practical	Core Major	0	0	4	15	10	25	75	100	02	✓	✓	✓		✓	✓		12 HOMESEE CONSUMER STATE OF THE STATE OF TH
4	B190606T/CH343	Medicinal Chemistry and Toxicology	Theory	(Compulsory)	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	9 MODERATORIAN 12 SEPRESENT AND PROCESSES AN
5	CH351	Chemistry of Dyes	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	9 MO BASCINCIAE  12 SUPPLIES  12 SUPPLIES  13 SUPPLIES  14 SUPPLIES  15 SUPPLIES  16 SUPPLIES  17 SUPPLIES  18 SUPPLIES  1
	B190607P/CH345	Experimental Pharmaceutical Chemistry-II	Practical		0	0	4	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	6 and averages 8 and average of the control of the
	ı		1	1		PO	LYME	R SCIEN	CE (Elect	ive)		1	1								O server serveres
1	B190601T/CH347	Synthetic Polymer	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	S and new statements
2	CH346	Petrochemicals	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	8 consist conver
3	B190603P/CH349	Synthesis and Analysis of Polymers-I	Practical	Core Major	0	0	4	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	D AND EMPERATIONS  S HOR REPRESENCE  AND EMPERATIONS  S HOR REPRESENCE  THE PROPERTY OF THE PR
4	B190602T/CH348	Polymerization Techniques and Characterization	Theory	(Compulsory)	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	9 HOSEIGEAN B INSERTAN
5	CH351	Chemistry of Dyes	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	9 NO PRODUCTION 122 STREET AND PRODUCTION ASSOCIATED AND PRODUCTION ASSOCIATION ASSOCIATIO
	B190603P/CH350	Synthesis and Analysis of Polymers-II	Practical		0	0	4	15	10	25	75	100	02	<b>&gt;</b>	✓	✓		✓	✓	✓	6 AND SAMPLINGS 9 AND SHIPMUNDON
					CURRIC	CULAI	R & RE	SEARCH	PROJEC	CT (Comr	non to All	)									A (I) (I) (I)
6	Z060601	Communication Skills and Personality Development	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	8 construction
7	CH352	Research Project	Practical	Core Major TOTAL	0	0	6	0	0	0	100	100	03	✓	✓	✓		✓	✓	✓	12 PENNISEL SANTEN SANT
			14	4	14	105	80	175	625	800	25										