



PUNYASHLOKAHILYADEVIHOLKARSOLAPURUNIVERSITY, SOLAPUR

EXAM 2025 SEMESTER EXAMINATION

REVISED FINAL PROGRAM OF M.SC.

[1] ORGANIC CHEMISTRY

[2] INDUSTRIAL CHEMISTRY

[3] POLYMER CHEMISTRY

[4] PHYSICAL CHEMISTRY

[5] ANALYTICAL CHEMISTRY

[6] INORGANIC CHEMISTRY

[7] PHARMACEUTICAL CHEMISTRY

[8] MEDICAL CHEMISTRY

SEM-IV OCT./NOV-2025 EXAMINATION

1. Student should see their Seat No. and Name in the Name list and mistakes if any should be communicate to this office immediately. All candidates are requested to confirm their Examination Seat No. as well as place of examination on the Notice Board of the University/College mentioned below at least two days before the date of Examination. The candidate should write correct Seat No. on each answer book. If candidate writes wrong Seat No. on answer Book the performance of such subject will not be considered.
2. Candidate are requested to be present at their respective places of the Examination **FIFTEEN MINUTES** before the time starting of the first paper and **TEN MINUTES** before the time starting of each subsequent paper. Candidates are forbidden to take any book or paper in to the Examination Hall.
3. **Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents.
4. All the Candidates are asked to follow the timely instructions given by University in accordance with the examinations methodology.
5. As per the Rights of Person with Disabilities Act-2016 the persons with Disabilities are given 20 minutes extra for one per hour for the Online/Offline exam

(केंद्र शासनाच्या अपंग व्यक्ती अधिकार अधिनियम २०१६ मधील तरतुदीनुसार अपंग विद्यार्थ्यांना ऑनलाईन व ऑफलाईन परीक्षेमध्ये सर्वसाधारण विद्यार्थ्यांपेक्षा १ तासाला कमीतकमी २० मिनीट इतका वेळ वाढवून देण्यास सर्वानुमते मान्यता देण्यात आली.)

ज्या विद्यार्थ्यांच्या जुन्या अभ्यासक्रमाप्रमाणे परीक्षा देण्याच्या संधीस पलेल्या आहेत त्यांना आता नवीन अभ्यासक्रमाप्रमाणे समकक्ष पेपर (Equivalence subject) देणे आवश्यक आहे. अशा विद्यार्थ्यांनी नवीन अभ्यासक्रमाप्रमाणे द्यावायच्या समकक्ष विषयाची नावे व त्यांचे पेपर कोड यांचा तक्ता वेळापत्रकाच्या शेवटच्या पानावर प्रिंट करण्यात आला आहे. त्याप्रमाणे विद्यार्थ्यांनी सदर पेपर द्यावेत.

Sr. No.	Center	CollegeAbbreviation	Place
1	Solapur	PAHSUS	PUNYASHLOK AHILYADEVI HOLKARSOLAPURUNIVERSITY,SOLAPUR
2		DAV	D.A.V.Velankar College of Commerce, Solapur
3	Pandharpur	KBP	KarmveerBhauraoPatilMahavidhyalaya
4	Barshi	SBZ	Shriman Bhausahab Zadbuke Mahavidyalaya, Barshi
5	Sangola	SANG	SangolaCollege,Sangola
6		GDMAS	Dr. Ganpatrao Deshmukh Mahavidyalaya, Sangola
7	Wadala	MMW	Mauli Mahavidyalaya, wadala
8	Wadala	LOK	Lokmangal College, Wadala
9	Akkalkot	MGKMMA	Matoshri GurubasavvaKalyanshetti Mahila Mahavidyalaya, Akkalkot

[1]OrganicChemistry	[2]IndustrialChemistry	[3]PolymerChemistry	
[4]PhysicalChemistry	[5]AnalyticalChemistry	[6]InorganicChemistry	
[7]PharmaceuticalChemistry	MedicalChemistry		
Sem-I(NEPCBCSPattern-2023) (New w.e.f.June2023)			
Day&Date	PaperNo.	Sr. No.	Subject Time: 3:00 p.m. to 5:30 p.m
Wednesday 29/10/2025	DSC1	1	Physical Chemistry – I(2324101/2325101/2326101/2327101)(2302101/2303101/ 2304101/2305101)
Friday 31/10/2025	DSC2	2	Organic Chemistry– I (2324102/2325102/2326102/2327102)(2302102/2303102/ 2304102/2305102)
Monday 03/11/2025	DSE1A	3	Inorganic Chemistry –I (2324107/2325107/2326107/2327107)(2302107/2303107/ 2304107/2305107)
	DSE1B		OR
		4	Chemistry in Life Sciences(2324108/2325108/2326108/2327108) (2302108/2303108/2304108/2305108)
	DSE1C		OR
		5	Medicinal Chemistry(2324109/2325109/2326109/2327109) (2302109/2303109/2304109/2305109)
Thursday 06/11/2025	RM	6	Research Methodology (2324103/2325103/2326103/2327103)(2302103/2303103/23041 03/2305103)

M.Sc. PharmaceuticalChemistry (w.e.f.June2020) (CBCSPattern-2020)			
Day&Date	PaperNo.	Sr. No.	Subject
Wednesday 29/10/2025		110	Analytical Chemistry–I(MSC05108)

[1]OrganicChemistry		[2]IndustrialChemistry		[3]PolymerChemistry	
[4]PhysicalChemistry		[5]AnalyticalChemistry		[6]InorganicChemistry	
[7]PharmaceuticalChemistry[8]MedicalChemistry					
Sem-II(NEPCBCSPattern-2023)(New w.e.f.Nov2023)					
Day&Date	PaperNo.	Sr. No.	Subject Time:11:00a.m.to1:30p.m		
Tuesday 28/10/2025	DSC-3	7	Physical Chemistry - II(2326201/2325201/2324201/2302201/2304201/2305201/2303201/2327201)		
Thursday 30/10/2025	DSC-4	8	Organic Chemistry - II(2326202/2325202/2324202/2302202/2304202/2305202/2303202/2327202)		
Saturday 01/11/2025	DSE-2	9	A) Inorganic Chemistry - II(2326207/2325207/2324207/2302207/2304207/2305207/2303207/2327207)		
		10	OR B) Green Chemistry(2326208/2325208/2324208/2302208/2304208/2305208/2303208/2327208)		
		11	OR C) Industrial Chemicals and Environment(2326209/2325209/2324209/2302209/2304209/2305209/2303209/2327209)		

[1]OrganicChemistry		[2]IndustrialChemistry		[3]PolymerChemistry	
[4]PhysicalChemistry		[5]AnalyticalChemistry		[6]InorganicChemistry	
[7]PharmaceuticalChemistry[8]MedicalChemistry					
Sem–II (w.e.f.Nov2020)(CBCSPattern-2020)					
Day&Date	PaperNo.	Sr. No.	Subject Time:11:00a.m.to2:00p.m.		
Tuesday 04/11/2025	OET	111	Analytical Chemistry-II(MSC05210)		

OrganicChemistrySem–III(Neww.e.f.June2024) (NEP CBCSPattern-2023)			
Day&Date	PaperNo.	Sr. No.	Subject Time:11:00a.m.to1:30p.m
Wednesday 28/9/2024	DSC-5	12	Advanced Spectroscopic Methods (2326301)
Friday 30/9/2024	DSC-6	13	Photochemistry and Pericyclic Reactions (2326302)
Monday 03/10/2024	DSE-3	14	A) Advanced Organic Chemistry (2326306)
		15	OR B) Applied Organic Chemistry (2326307)

OrganicChemistrySem–IV(Neww.e.f.Nov2024) (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00p.m.to 5:30p.m.
Tuesday 28/10/2025	DSC 7	16	Modern Organic Chemistry (2326401)
Thursday 30/10/2025	DSC 8	17	Chemistry of Bioactive Heterocycles (2326402)
Saturday 01/11/2025	DSE-4A	18	A) Retrosynthesis and Disconnection Approach (2326405)
		19	OR B) MedicinalChemistry(2326406)

OrganicChemistrySem–IV(Neww.e.f.Nov2021) (CBCSPattern-2020) (Old up to OCT-2025)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00p.m.to6:00p.m.
Tuesday 28/10/2025	HCT401	20	AdvancedOrganicChemistry–II(MSC07401)
Thursday 30/10/2025	HCT402	21	ModernOrganicChemistry(MSC07402)
Saturday 01/11/2025	HCT403	22	ChemistryofNaturalProducts(MSC07403)
Tuesday 04/11/2025	SCT404A	23	A) MedicinalChemistry(MSC07408)OR
	SCT404B	24	B) PharmaceuticalTechnology(MSC07409)

Industrial Chemistry Sem– III(New w.e.f. June 2024)(NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time:11:00a.m.to1:30p.m
Wednesday २९/१०/२०२५	DSC-5	25	Unit operations of chemical Engineering (2325301)
Friday ३१/१०/२०२५	DSC-6	26	Unit process in Chemical Industries (2325302)
Monday ०३/११/२०२५	DSE-3	27	Industrial Analytical Chemistry-I (2325306) OR
		28	Industrial Analytical Chemistry-II(2325307)

Industrial Chemistry Sem–IV(New w.e.f. Nov 2024) (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to5:30p.m
Tuesday 28/10/2025	DSC-7	29	Pollution Monitoring and Control(2325401)
Thursday 30/10/2025	DSC-8	30	Industrial Management and Nonconventional energy sources (2325402)
Saturday 01/11/2025	DSE-4	31	A] Nanomaterial and its Characterization (2325405) OR
		32	B] Advanced Topics in Industrial Chemistry (2325406)

Industrial Chemistry Sem–IV(New w.e.f. Nov 2021) (CBCSPattern-2020) (Old up to OCT-2025)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to6:00p.m
Tuesday 28/10/2025	HCT401	33	Chemical Industries(MSC06401)
Thursday 30/10/2025	HCT402	34	Pollution Monitoring and Control(MSC06402)
Saturday 01/11/2025	HCT403	35	Nanomaterial and its Characterization (MSC06403)
Tuesday 04/11/2025	SCT404A	36	A) Industrial Management and Material Balance(MSC06408) OR
	SCT404B	37	B) Advanced Topics in Industrial Chemistry-II (MSC06409)

PolymerChemistrySem–III(Neww.e.f.June2024) (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time:11:00a.m.to1:30p.m
Wednesday 28/09/2024	DSC-5	38	Fundamentals of Polymer Science (2324301)
Friday 30/09/2024	DSC-6	39	Chain Polymerization Mechanism and Kinetics (2324302)
Monday 03/10/2024	DSE-3	40	A) Polymer Analysis and Characterization techniques (2324306)
		41	OR B) Physical Chemistry of Polymers(2324307)

PolymerChemistrySem–IV(Neww.e.f.Nov2024) (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to5:30p.m
Tuesday 28/10/2025	DSC 7	42	Industrial Polymer Science (2324401)
Thursday 30/10/2025	DSC 8	43	Paints and Coatings Technology (2324402)
Saturday 01/11/2025	DSE4	44	A) Processing Technology and Polymer Properties (2324405)
		45	OR B) Selected Topics in Polymers (2324406)

PolymerChemistrySem–IV(Neww.e.f.Nov2021) (CBCSPattern-2020) (Old up to OCT-2025)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to6:00p.m
Tuesday 28/10/2025	HCT 401	46	Step-growthPolymers(MSC05401)
Thursday 30/10/2025	HCT 402	47	StereoregularPolymersandModernPolymerisation Methods(MSC05402)
Saturday 01/11/2025	HCT 403	48	SelectedTopicsinPolymers(MSC05403)

Tuesday 04/11/2025	SCT 401	49	A) Processing Technology and Polymer Properties (MSC05408)
	SCT 402	50	OR B) Inorganic and Biopolymers (MSC05409)

Physical Chemistry Sem-III (New w.e.f. June 2024) (NEP CBCS Pattern-2023)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00 a.m. to 1:30 p.m
Wednesday 28/10/2025	DSC-5	51	Quantum Chemistry (2302301)
Friday 30/10/2025	DSC-6	52	Electrochemistry and Chemical Kinetics (2302302)
Monday 03/11/2025	DSE-3	53	a) Solid State Chemistry (2302306)
		54	OR b) Biophysical Chemistry (2302307)
		55	OR c) Radiation and Photochemistry (2302308)

Physical Chemistry Sem-IV (New w.e.f. Nov 2024) (NEP CBCS Pattern-2023)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m. to 5:30 p.m
Tuesday 28/10/2025	DSC-7	56	Statistical Mechanics and Irreversible Thermodynamics (2302401)
Thursday 30/10/2025	DSC-8	57	Molecular Structure (2302402)
Saturday 01/11/2025	DSE-4	58	A) Surface Chemistry (2302405)
		59	OR B) Chemistry of Materials (2302406)
		60	OR C) Nuclear and Radiation Chemistry (2302407)

Physical Chemistry Sem-IV (New w.e.f. Nov 2021) (CBCS Pattern-2020) (old up to OCT-2025)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m. to 6:00 p.m
Tuesday 28/10/2025	HCT401	61	Statistical Mechanics and Irreversible Thermodynamics (MSC11401)

Thursday 30/10/2025	HCT402	62	ChemicalKinetics(MSC11402)
Saturday 01/11/2025	HCT403	63	MolecularStructure-II(MSC11403)
Tuesday 04/11/2025	SCT404A	64	A) SurfaceChemistry(MSC11408) OR
	SCT404B	65	B) ChemistryofMaterials(MSC11409)

AnalyticalChemistrySem-III(Neww.e.f.June2024) (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time:11:00p.m.to1:30p.m
Wednesday 28/10/2024	DSC-5	66	AdvanceSeparationTechniques(2304301)
Friday 30/10/2024	DSC-6	67	Instrumental Methods of Chemical Analysis-I (2304302)
Monday 03/11/2024	DSE-3	68	A) Analytical Spectroscopy(2304306) OR
		69	B) Applied Analytical Chemistry (2304307)

AnalyticalChemistrySem-IV(Neww.e.f.Nov2024) (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to5:30p.m
Tuesday 28/10/2025	DSC-7	70	AdvancedAnalyticalTechniques (2304401)
Thursday 30/10/2025	DSC-8	71	InstrumentalMethodsof Chemical Analysis-II(2304402)
Saturday 01/11/2025	DSE-4	72	A] BiochemicalandFoodAnalysis(2304405) OR
		73	B] PharmaceuticalAnalysis(2304406) OR
		74	C] EnvironmentalChemicalAnalysis(2304407)

AnalyticalChemistrySem-IV(Neww.e.f.Nov2021) (CBCSPattern-2020)(Old up to OCT-2025)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to6:00p.m

Tuesday 28/10/2025	HCT401	75	AdvancedAnalyticalTechniques (MSC013401)
Thursday 30/10/2025	HCT402	76	InstrumentalMethodsofAnalysis-II(MSC013402)
Saturday 01/11/2025	HCT403	77	BiochemicalandFoodAnalysis(MSC013403)
Tuesday 04/11/2025	SCT-A	78	A) EnvironmentalChemicalAnalysis(MSC 013408)
	SCT-B	79	OR B) PharmaceuticalAnalysis(MSC013409)

PharmaceuticalChemistrySem–III(New w.e.f.June2024) (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time:11:00 a.m.to 1:30 p.m
Wednesday 28/10/2024	DSC-5	80	Advanced Spectroscopic Methods (2303301)
Friday 30/10/2024	DSC-6	81	Drug Development (2303302)
Monday 03/11/2024	DSE-3	82	A) Modern Pharmaceutical Analytical Techniques (2303306)
		83	OR B) Biochemistry (2303307)

PharmaceuticalChemistrySem–III (w.e.f.June2021) (CBCSPattern-2020)			
Day&Date	Paper No.	Sr. No.	Subject Time:11:00a.m.to2:00p.m
Wednesday 28/10/2024	HCT3.1	106	AdvancedOrganicChemistry-I(MSC012301)
Friday 30/10/2024	HCT3.2	107	ChemistryofBioactiveHeterocycles (MSC012302)
Monday 03/11/2024	OET	108	Medicinal Chemistry (MSC012310)

PharmaceuticalChemistrySem–IV(Neww.e.f.June2024) (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to5:30p.m

Tuesday 28/10/2025	HCT-401	84	AdvancedOrganicChemistry-II(2303401)
Thursday 30/10/2025	HCT-402	85	Drugs and Heterocycles (2303402)
Saturday 01/11/2025	HCT-403	86 87	A] Pharmaceutical Dosage Forms (2303405) OR B] PharmaceuticalTechnology(2303406)

PharmaceuticalChemistrySem–IV(Neww.e.f.June2021) (CBCSPattern-2020)(Old up to OCT-2025)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to6:00p.m
Tuesday 28/10/2025	HCT-401	88	PhotochemistryandPericyclicReactions(MS C012401)
Thursday 30/10/2025	HCT-402	89	AdvancedOrganicChemistry-II(MSC012402)
Saturday 01/11/2025	HCT-403	90	PharmaceuticalDosageForms(MSC012403)
Tuesday 04/11/2025	SCT4.1 SCT4.2	91 92	A) PharmaceuticalTechnology(MSC012408) OR B) IndustrialPollutionandControl(MSC012409)

MEDICINALCHEMISTRYSem–III(Neww.e.f.June2024) (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time:11:00a.m.to1:30p.m
Wednesday २९/१०/२०२५	DSC-5	93	Advanced Spectroscopic Methods (2327301)
Friday ३१/१०/२०२५	DSC-6	94	Drug Development (2327302)
Monday ०३/११/२०२५	DSE-3	95 96	A) Advanced Organic Chemistry (2327306) OR B) Biochemistry (2327307)

MEDICINALCHEMISTRYSem-IV(Neww.e.f.Nov.2024) (NEP CBCSPattern-2023)			
Day&Date	PaperNo.	Sr. No.	Subject Time: 3:00 p.m.to5:30p.m
Tuesday 28/10/2025	DSC-7	97	ModernOrganicChemistry(2327401)
Thursday 30/10/2025	DSC-8	98	Drug& Heterocycles (2327402)
Saturday 01/11/2025	DSE-4A	99	A] PharmaceuticalDosageForms(2327405)
		100	OR B] PharmaceuticalTechnology(2327406)

MEDICINLCHEMISTRYSem-IV(Neww.e.f.June2021) (CBCSPattern-2020) (Old up to OCT-2025)			
Day&Date	PaperNo.	Sr. No.	Subject Time: 3:00 p.m.to6:00p.m
Tuesday 28/10/2025	HCT-4.1	101	PharmaceuticalDosageForms(MSC08401)
Thursday 30/10/2025	HCT-4.2	102	ModernOrganicChemistry(MSC08402)
Saturday 01/11/2025	HCT-4.3	103	DrugRegulatoryAffairs(MSC08403)
Tuesday 04/11/2025	SCT4.1	104	A) MedicinalChemistry(MSC08408)O
	SCT4.2	105	R B) PharmaceuticalTechnology(MSC08409)

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Date:03/10/2025

Sd/-
Director

BoardofExaminationsandEvaluation

Equivalence Subject List

Pattern 2020 Paper Code	M.Sc Organic Chemistry Sem-I OLD	Pattern 2023 Paper Code	M.Sc Organic Chemistry Sem-I NEW
MSC05101	Inorganic Chemistry –I	2326107	Inorganic Chemistry-I
MSC05102	Organic Chemistry–I	2326102	Organic Chemistry-I
MSC05103	Physical Chemistry –I	2326101	Physical Chemistry-I
MSC05108	Analytical Chemistry– I		No Equivalence
MSC05109	Chemistry in Life Sciences		
Pattern 2020 Paper Code	M.Sc Organic Chemistry Sem-II OLD	Pattern 2023 Paper Code	M.Sc Organic Chemistry Sem-II NEW

MSC05201	Inorganic Chemistry –II	2326207	Inorganic Chemistry-II
MSC05202	Organic Chemistry –II	2326202	Organic Chemistry-II
MSC05206	Physical Chemistry–II	2326201	Physical Chemistry-II
MSC05207	Green Chemistry	2326208	Green Chemistry

Pattern 2020 Paper Code	M.Sc Polymer Chemistry Sem-I OLD	Pattern 2023 Paper Code	M.Sc Polymer Chemistry Sem-I NEW
MSC05103	Physical Chemistry –I	2324101	Physical Chemistry-I

Pattern 2020 Paper Code	M.Sc Analytical Chemistry Sem-I OLD	Pattern 2023 Paper Code	M.Sc Analytical Chemistry Sem-I NEW
MSC05101	Inorganic Chemistry –I	2304107	Inorganic Chemistry-I
MSC05102	Organic Chemistry–I	2304102	Organic Chemistry-I

Pattern 2020 Paper Code	M.ScPharmaceutical Chemistry Sem- I OLD	Pattern 2023 Paper Code	M.ScPharmaceutical Chemistry Sem- I NEW
MSC05101	Inorganic Chemistry –I	2303107	Inorganic Chemistry-I
MSC05102	Organic Chemistry–I	2303102	Organic Chemistry-I
MSC05103	Physical Chemistry –I	2303101	Physical Chemistry-I
MSC05108	Analytical Chemistry– I		No Equivalence
MSC05109	Chemistry in Life Sciences	2303108	Chemistry in Life Sciences
Pattern 2020 Paper Code	M.ScPharmaceutical Chemistry Sem- II OLD	Pattern 2023 Paper Code	M.ScPharmaceutical Chemistry Sem- II NEW
MSC05201	Inorganic Chemistry –II	2303207	Inorganic Chemistry-II
MSC05202	Organic Chemistry –II	2303202	Organic Chemistry-II
MSC05206	Physical Chemistry–II	2303201	Physical Chemistry-II
MSC05207	Green Chemistry		

Pattern 2020 Paper Code	M.Sc Medicinal Chemistry Sem-III OLD	Pattern 2023 Paper Code	M.Sc Medicinal Chemistry Sem-III NEW
MSC08301	Advanced Organic Chemistry – I	2327306	Advanced Organic Chemistry
MSC08302	Chemistry of Bioactive Heterocycles		No Equivalence
MSC08306	Photochemistry and Pericyclic Reactions		No Equivalence
MSC08307	Drug Development	2327302	Drug Development
MSC08311	Biochemistry	2327307	Biochemistry

Pattern 2020 Paper Code	M.Sc Organic Chemistry Sem-III OLD	Pattern 2023 Paper Code	M.Sc Organic Chemistry Sem-III NEW
MSC07301	Advanced Organic Chemistry – I	2326306	Advanced Organic Chemistry
MSC07302	Chemistry of Bioactive Heterocycles		No Equivalence
MSC07306	Photochemistry and Pericyclic Reactions	2326302	Photochemistry and Pericyclic Reactions
MSC07307	Drug Development		No Equivalence
MSC07310	Applied Organic Chemistry	2326307	Applied Organic Chemistry

Pattern 2020 Paper Code	M.ScPharmaceutical Chemistry Sem-III OLD	Pattern 2023 Paper Code	M.ScPharmaceutical Chemistry Sem-III NEW
MSC012301	Advanced Organic Chemistry-I		No Equivalence
MSC012302	Chemistry of Bioactive Heterocycles		No Equivalence
MSC012306	Drug Development	2303302	Drug Development
MSC012307	Biochemistry	2303307	Biochemistry
MSC012310	Medicinal Chemistry		No Equivalence