



PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2023 SEMESTER PATTERN EXAMINATION

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- I TO IV OCT/NOV-2023 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 into 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 तरतूदीनुसार अपंग विद्यार्थ्यांना ऑनलाईन व ऑफलाईन परीक्षेमध्ये सर्वसाधारण विद्यार्थ्यांपेक्षा १ तासाला कमीतकमी २० मिनीट इतका वेळ वाढवून देण्यास सर्वानुमते मान्यता देण्यात आली.)

Sr. No.	Center	College Abbreviation	Place
1	Solapur	PAHSUS	University Campus
2		DBF	D.B.F. Dayanand College of Arts & Science
3	Pandharpur	KBP	KarmveerBhauraoPatilMahavidhyalaya
4	Barshi	SMB	Shri ShivajiMahavidhyalaya
5	Sangola	SANG	Sangola College, Sangola

[1]OrganicChemistry	[2]IndustrialChemistry	[3]PolymerChemistry	
[4]PhysicalChemistry	[5]AnalyticalChemistry	[6]InorganicChemistry	
[7]PharmaceuticalChemistry[8]MedicalChemistry			
Sem-I (New w.e.f. June 2023) (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to5:30p.m.
Sunday 24/12/2023	DSC 1	1	Physical Chemistry –I(2324101/2325101/2326101/2327101) (2302101/2303101/2304101/2305101)
Tuesday 26/12/2023	DSC 2	2	Organic Chemistry– I (2324102/2325102/2326102/2327102) (2302102/2303102/2304102/2305102)
Wednesday 27/12/2023	DSE 1 A	3	Inorganic Chemistry –I (2324107/2325107/2326107/2327107) (2302107/2303107/2304107/2305107)
	DSE 1 B	4	OR
	DSE 1 C	5	Chemistry in Life Sciences (2324108/2325108/2326108/2327108) (2302108/2303108/2304108/2305108) OR Medicinal Chemistry (2324109/2325109/2326109/2327109) (2302109/2303109/2304109/2305109)
Thursday 28/12/2023	RM	6	Research Methodology (2324103/2325103/2326103/2327103) (2302103/2303103/2304103/2305103)

[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-I (New w.e.f. June 2020) (CBCSPattern-2020) (Old up to MAR.-2024)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m.
Sunday 24/12/2023	HCT-101	7	Inorganic Chemistry –I(MSC05101)
Tuesday 26/12/2023	HCT-102	8	Organic Chemistry–I(MSC05102)
Wednesday 27/12/2023	HCT-103	9	Physical Chemistry –I(MSC05103)
Thursday 28/12/2023	SCT-104A	10	A) Analytical Chemistry– I(MSC05108)
	SCT-104B	11	OR B) Chemistry in Life Sciences(MSC05109)

[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-II(New w.e.f.Nov2020) (CBCSPattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00 p.m.
Monday 18/12/2023	HCT-201	12	Inorganic Chemistry –II(MSC05201)
Tuesday 19/12/2023	HCT-202	13	Organic Chemistry –II(MSC05202)
Wednesday 20/12/2023	SCT-203	14	A) Physical Chemistry–II(MSC05206)
	SCT-204	15	OR B) Green Chemistry (MSC05207)
Saturday 23/12/2023	OET	---	[Choose from list]

Organic Chemistry Sem– III (Neww.e.f. June 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Sunday 24/12/2023	HCT 301	16	Advanced Organic Chemistry – I (MSC07301)
Tuesday 26/12/2023	HCT302	17	Chemistry of Bioactive Heterocycles (MSC07302)
Wednesday 27/12/2023	SCT301	18	A) Photochemistry and Pericyclic Reactions (MSC07306)
	SCT302	19	OR B) Drug Development (MSC07307)
Friday 29/12/2023	OET	--	[Choose from list]

Organic Chemistry Sem– IV (Neww.e.f. Nov 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m.
Monday 18/12/2023	HCT 401	20	Advanced Organic Chemistry –II (MSC07401)
Tuesday 19/12/2023	HCT 402	21	Modern Organic Chemistry (MSC07402)
Wednesday 20/12/2023	HCT 403	22	Chemistry of Natural Products (MSC07403)
Thursday 21/12/2023	SCT 404A	23	A) Medicinal Chemistry (MSC07408)
	SCT 404B	24	OR B) Pharmaceutical Technology (MSC07409)

Industrial Chemistry Sem– III (Neww.e.f. June 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Sunday 24/12/2023	HCT 301	25	Unit operations of chemical Engineering (MSC06301)
Tuesday 26/12/2023	HCT302	26	Unit processes in Chemical technology (MSC06302)
Wednesday 27/12/2023	SCT301	27	Instrumental Analysis-I (MSC06307)
		28	OR Instrumental Analysis –II (MSC06308)
Friday 29/12/2023	OET	--	[Choose from list]

Industrial Chemistry Sem– IV (Neww.e.f. Nov 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Monday 18/12/2023	HCT 401	29	Chemical Industries (MSC06401)
Tuesday 19/12/2023	HCT 402	30	Pollution Monitoring and Control(MSC06402)
Wednesday 20/12/2023	HCT 403	31	Nanomaterial and its Characterization(MSC06403)
Thursday 21/12/2023	SCT 404A	32	A) Industrial Management and Material Balance (MSC06408)
	SCT 404B	33	OR B) Advanced Topics in Industrial Chemistry-II(MSC06409)

Polymer Chemistry Sem – III(Neww.e.f. June 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Sunday 24/12/2023	HCT 301	34	Fundamentals of Feedstocks and Polymers (MSC05301)
Tuesday 26/12/2023	HCT302	35	Morphology and Physical Chemistry of Polymers (MSC05302)
Wednesday 27/12/2023	SCT301	36	A)Basic Concepts of Polymerization (MSC05306)
	SCT302	37	OR B)Natural and Synthetic Textile fibers and Resins (MSC05307)
Friday 29/12/2023	OET	--	[Choose from list]

Polymer Chemistry Sem– IV (Neww.e.f. Nov 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Monday 18/12/2023	HCT 401	38	Step-growth Polymers (MSC05401)
Tuesday 19/12/2023	HCT 402	39	Stereoregular Polymers and Modern Polymerisation Methods(MSC05402)
Wednesday 20/12/2023	HCT 403	40	Selected Topics in Polymers(MSC05403)
Thursday 21/12/2023	SCT 401	41	A) Processing Technology and Polymer Properties (MSC05408)
	SCT 402	42	OR B) Inorganic and Biopolymers(MSC05409)

Physical Chemistry Sem – III (Neww.e.f. June 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Sunday 24/12/2023	HCT3.1	43	Quantum Chemistry (MSC11301)
Tuesday 26/12/2023	HCT3.2	44	Electrochemistry (MSC11302)
Wednesday 27/12/2023	SCT3.1	45	Molecular Structure-I (MSC11306)
	SCT 3.2	46	OR Biophysical Chemistry (MSC11307)
Friday 29/12/2023	OET	--	[Choose from list]

Physical Chemistry Sem – IV (Neww.e.f. Nov 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Monday 18/12/2023	HCT 401	47	Statistical Mechanics and Irreversible Thermodynamics (MSC11401)
Tuesday 19/12/2023	HCT 402	48	Chemical Kinetics (MSC11402)
Wednesday 20/12/2023	HCT 403	49	Molecular Structure-II (MSC11403)
Thursday 21/12/2023	SCT 404A	50	A) Surface Chemistry (MSC11408)
	SCT 404B	51	OR B) Chemistry of Materials (MSC11409)

Analytical Chemistry Sem– III (Neww.e.f. June 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00 p.m.to 2:00p.m
Sunday 24/12/2023	HCT3.1	52	Advance Separation Techniques (MSC013301)
Tuesday 26/12/2023	HCT3.2	53	Instrumental Methods of Analysis- I (MSC013302)
Wednesday 27/12/2023	SCT3.1	54	Applied Analytical Chemistry (MSC013306)
	SCT3.2	55	OR Analysis of Commercial Materials (MSC013307)
Friday 29/12/2023	OET	--	[Choose from list]

Analytical Chemistry Sem – IV(Neww.e.f. Nov 2021) (CBCS Pattern-2020)			
Day &Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Monday 18/12/2023	HCT 401	56	Advanced Analytical Techniques (MSC013401)
Tuesday 19/12/2023	HCT 402	57	Instrumental Methods of Analysis-II (MSC013402)
Wednesday 20/12/2023	HCT 403	58	Biochemical and Food Analysis(MSC013403)
Thursday 21/12/2023	SCT-A	59	A) Environmental Chemical Analysis (MSC013408)
	SCT-B	60	OR B) Pharmaceutical Analysis(MSC013409)

Inorganic Chemistry Sem – III(Neww.e.f. June 2021) (CBCS Pattern-2020)			
Day &Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Sunday 24/12/2023	HCT3.1	61	Inorganic Chemical Spectroscopy (MSC14301)
Tuesday 26/12/2023	HCT3.2	62	Co-ordination Chemistry – I (MSC14302)
Wednesday 27/12/2023	SCT3.1	63	Nuclear Chemistry (MSC14306)
	SCT 3.2	64	OR Separation Science (MSC14307)
Friday 29/12/2023	OET	-	[Choose from list]

Inorganic Chemistry Sem – IV(Neww.e.f. Nov 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Monday 18/12/2023	HCT 401	65	Instrumental Techniques (MSC14401)
Tuesday 19/12/2023	HCT 402	66	Co-ordination Chemistry-II(MSC14402)
Wednesday 20/12/2023	HCT 403	67	Chemistry of Inorganic Materials(MSC14403)
Thursday 21/12/2023	SCT 404A	68	A) Applied Inorganic Chemistry(MSC14408)
	SCT 404B	69	OR Bioinorganic Chemistry(MSC14409)

Pharmaceutical Chemistry Sem – III (Neww.e.f. June 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Sunday 24/12/2023	HCT3.1	70	Advanced Organic Chemistry-I (MSC012301)
Tuesday 26/12/2023	HCT3.2	71	Chemistry of Bioactive Heterocycles(MSC012302)
Wednesday 27/12/2023	SCT3.1	72	A) Drug Development(MSC012306)
	SCT3.2	73	OR B) Biochemistry(MSC012307)
Friday 29/12/2023	OET	-	[Choose from list]

Pharmaceutical Chemistry Sem – IV (Neww.e.f. June 2021) (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Monday 18/12/2023	HCT-401	74	Photochemistry and Pericyclic Reactions (MSC012401)
Tuesday 19/12/2023	HCT-402	75	Advanced Organic Chemistry-II(MSC012402)
Wednesday 20/12/2023	HCT-403	76	Pharmaceutical Dosage Forms(MSC012403)
Thursday 21/12/2023	SCT4.1	77	A) Pharmaceutical Technology(MSC012408)
	SCT4.2	78	OR B) Industrial Pollution and Control(MSC012409)

MEDICINL CHEMISTRYSem – III (Neww.e.f. June 2021) (CBCS Pattern-2020)			
Day &Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Sunday 24/12/2023	HCT-3.1	79	Advanced Organic Chemistry – I (MSC08301)
Tuesday 26/12/2023	HCT-3.2	80	Chemistry of Bioactive Heterocycles (MSC08302)
Wednesday 27/12/2023	SCT3.1	81	A) Photochemistry and Pericyclic Reactions (MSC08306)
	SCT3.2	82	OR B) Drug Development(MSC08307)
Friday 29/12/2023	OET	-	[Choose from list]

MEDICINL CHEMISTRYSem – IV (Neww.e.f. June 2021) (CBCS Pattern-2020)			
Day &Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Monday 18/12/2023	HCT-4.1	83	Pharmaceutical Dosage Forms (MSC08401)
Tuesday 19/12/2023	HCT-4.2	84	Modern Organic Chemistry (MSC08402)
Wednesday 20/12/2023	HCT-4.3	85	Drug Regulatory Affairs (MSC08403)
Thursday 21/12/2023	SCT4.1	86	A) Medicinal Chemistry (MSC08408)
	SCT4.2	87	OR B) Pharmaceutical Technology (MSC08409)

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Ref No.: PAHSUS/EXAM/TIME-TABLE/2023/2800

Date: 05/12/2023

Sd/-

Ag. Director

Board of Examinations and Evaluation