



# PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

## EXAM OF 2024 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 MAR./APR-2024 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	PUNYASHLOK AHILYADEVI HOLKARSOLAPUR UNIVERSITY, 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	Sangola College, Sangola
6		GDMAS	Dr. Ganpatrao Deshmukh Mahavidyalaya, Sangola
7	Wadala	MMW	Mauli Mahavidyalaya, wadala
8	AKKALKOT	MGKMMMA	Matoshri Gurubasavva Kalyanshetti Mahila Mahavidyalaya, Akkalkot

[1]Organic Chemistry	[2]Industrial Chemistry	[3]Polymer Chemistry	
[4]Physical Chemistry	[5]Analytical Chemistry	[6]Inorganic Chemistry	
[7]Pharmaceutical Chemistry[8]Medical Chemistry			
<b>Sem-I (New w.e.f. June 2023)</b> (NEP CBCSPattern-2023)			
Day&Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to5:30p.m.
Friday 10/05/2024	DSC 1	1	Physical Chemistry –I(2324101/2325101/2326101/2327101) (2302101/2303101/2304101/2305101)
Monday 13/05/2024	DSC 2	2	Organic Chemistry– I (2324102/2325102/2326102/2327102) (2302102/2303102/2304102/2305102)
Wednesday 15/05/2024	DSE 1 A	3	Inorganic Chemistry –I (2324107/2325107/2326107/2327107) (2302107/2303107/2304107/2305107)
	DSE 1 B	4	OR Chemistry in Life Sciences (2324108/2325108/2326108/2327108) (2302108/2303108/2304108/2305108)
	DSE 1 C	5	OR Medicinal Chemistry (2324109/2325109/2326109/2327109) (2302109/2303109/2304109/2305109)
Friday 17/05/2024	RM	6	Research Methodology (2324103/2325103/2326103/2327103) (2302103/2303103/2304103/2305103)

[1]Organic Chemistry	[2]Industrial Chemistry	[3]Polymer Chemistry	
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<b>Sem-I (w.e.f. June2020)</b> (CBCSPattern-2020) (Old up to MAR.-2024)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m.
Friday 10/05/2024	HCT-101	7	Inorganic Chemistry –I(MSC05101)
Monday 13/05/2024	HCT-102	8	Organic Chemistry–I(MSC05102)
Wednesday 15/05/2024	HCT-103	9	Physical Chemistry –I(MSC05103)
Friday 17/05/2024	SCT-104A	10	A) Analytical Chemistry– I(MSC05108)
	SCT-104B	11	OR B) Chemistry in Life Sciences(MSC05109)

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<b>Sem-II (New w.e.f. Nov 2023)</b> <b>(NEPCBCSPattern-2023)</b>			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 1:30 p.m
Thursday 09/05/2024	DSC-3	12	Physical Chemistry -II (2326201/2325201/2324201/2302201/2304201/ 2305201/2303201/2327201)
Saturday 11/05/2024	DSC-4	13	Organic Chemistry -II (2326202/2325202/2324202/2302202/2304202/ 2305202/2303202/2327202)
Tuesday 14/05/2024	DSE-2	14	A) Inorganic Chemistry -II (2326207/2325207/2324207/2302207/2304207/ 2305207/2303207/2327207)
		15	OR B) Green Chemistry (2326208/2325208/2324208/2302208/2304208/ 2305208/2303208/2327208)
		16	OR C) Industrial Chemicals and Environment (2326209/2325209/2324209/2302209/2304209/ 2305209/2303209/2327209)

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<b>Sem-II (w.e.f. Nov 2020)</b> <b>(CBCSPattern-2020) (Old up to OCT. 2024)</b>			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00 p.m.
Thursday 09/05/2024	HCT-201	17	Inorganic Chemistry –II(MSC05201)
Saturday 11/05/2024	HCT-202	18	Organic Chemistry –II (MSC05202)
Tuesday 14/05/2024	SCT-203	19	A) Physical Chemistry–II MSC05206)
	SCT-204	20	OR B) Green Chemistry (MSC05207)
Tuesday 21/05/2024	OET	---	[Choose from list]

<b>Organic Chemistry Sem– III (Neww.e.f. June 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Friday 10/05/2024	HCT 301	21	Advanced Organic Chemistry – I (MSC07301)
Monday 13/05/2024	HCT302	22	Chemistry of Bioactive Heterocycles (MSC07302)
Wednesday 15/05/2024	SCT301	23	A) Photochemistry and Pericyclic Reactions (MSC07306)
	SCT302	24	OR B) Drug Development (MSC07307)
Wednesday 22/05/2024	OET	--	[Choose from list]

<b>Organic Chemistry Sem– IV (Neww.e.f. Nov 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m.
Thursday 09/05/2024	HCT 401	25	Advanced Organic Chemistry –II (MSC07401)
Saturday 11/05/2024	HCT 402	26	Modern Organic Chemistry (MSC07402)
Tuesday 14/05/2024	HCT 403	27	Chemistry of Natural Products (MSC07403)
Thursday 16/05/2024	SCT 404A	28	A) Medicinal Chemistry (MSC07408)
	SCT 404B	29	OR B) Pharmaceutical Technology (MSC07409)

<b>Industrial Chemistry Sem– III (Neww.e.f. June 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Friday 10/05/2024	HCT 301	30	Unit operations of chemical Engineering (MSC06301)
Monday 13/05/2024	HCT302	31	Unit processes in Chemical technology (MSC06302)
Wednesday 15/05/2024	SCT301	32	Instrumental Analysis-I (MSC06307)
		33	OR Instrumental Analysis –II (MSC06308)
Wednesday 22/05/2024	OET	--	[Choose from list]

<b>Industrial Chemistry Sem– IV (Neww.e.f. Nov 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Thursday 09/05/2024	HCT 401	34	Chemical Industries (MSC06401)
Saturday 11/05/2024	HCT 402	35	Pollution Monitoring and Control(MSC06402)
Tuesday 14/05/2024	HCT 403	36	Nanomaterial and its Characterization (MSC06403)
Thursday 16/05/2024	SCT 404A	37	A) Industrial Management and Material Balance (MSC06408)
	SCT 404B	38	OR B) Advanced Topics in Industrial Chemistry-II (MSC06409)

<b>Polymer Chemistry Sem – III(Neww.e.f. June 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Friday 10/05/2024	HCT 301	39	Fundamentals of Feedstocks and Polymers (MSC05301)
Monday 13/05/2024	HCT302	40	Morphology and Physical Chemistry of Polymers (MSC05302)
Wednesday 15/05/2024	SCT301	41	A) Basic Concepts of Polymerization (MSC05306)
	SCT302	42	OR B) Natural and Synthetic Textile fibers and Resins (MSC05307)
Wednesday 22/05/2024	OET	--	[Choose from list]

<b>Polymer Chemistry Sem– IV (Neww.e.f. Nov 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Thursday 09/05/2024	HCT 401	43	Step-growth Polymers (MSC05401)
Saturday 11/05/2024	HCT 402	44	Stereoregular Polymers and Modern Polymerisation Methods(MSC05402)
Tuesday 14/05/2024	HCT 403	45	Selected Topics in Polymers(MSC05403)
Thursday 16/05/2024	SCT 401	46	A) Processing Technology and Polymer Properties (MSC05408)
	SCT 402	47	OR B) Inorganic and Biopolymers(MSC05409)

<b>Physical Chemistry Sem – III (Neww.e.f. June 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Friday 10/05/2024	HCT3.1	48	Quantum Chemistry (MSC11301)
Monday 13/05/2024	HCT3.2	49	Electrochemistry (MSC11302)
Wednesday 15/05/2024	SCT3.1	50	Molecular Structure-I (MSC11306)
	SCT 3.2	51	OR Biophysical Chemistry (MSC11307)
Wednesday 22/05/2024	OET	--	[Choose from list]

<b>Physical Chemistry Sem – IV (Neww.e.f. Nov 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Thursday 09/05/2024	HCT 401	52	Statistical Mechanics and Irreversible Thermodynamics (MSC11401)
Saturday 11/05/2024	HCT 402	53	Chemical Kinetics (MSC11402)
Tuesday 14/05/2024	HCT 403	54	Molecular Structure-II (MSC11403)
Thursday 16/05/2024	SCT 404A	55	A) Surface Chemistry (MSC11408)
	SCT 404B	56	OR B) Chemistry of Materials (MSC11409)

<b>Analytical Chemistry Sem– III (Neww.e.f. June 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00 p.m.to 2:00p.m
Friday 10/05/2024	HCT3.1	57	Advance Separation Techniques (MSC013301)
Monday 13/05/2024	HCT3.2	58	Instrumental Methods of Analysis- I (MSC013302)
Wednesday 15/05/2024	SCT3.1	59	Applied Analytical Chemistry (MSC013306)
	SCT3.2	60	OR Analysis of Commercial Materials (MSC013307)
Wednesday 22/05/2024	OET	--	[Choose from list]

<b>Analytical Chemistry Sem – IV (Neww.e.f. Nov 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Thursday 09/05/2024	HCT 401	61	Advanced Analytical Techniques (MSC013401)
Saturday 11/05/2024	HCT 402	62	Instrumental Methods of Analysis-II (MSC013402)
Tuesday 14/05/2024	HCT 403	63	Biochemical and Food Analysis(MSC013403)
Thursday 16/05/2024	SCT-A	64	A) Environmental Chemical Analysis (MSC013408)
	SCT-B	65	OR B) Pharmaceutical Analysis(MSC013409)

<b>Inorganic Chemistry Sem – III (Neww.e.f. June 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Friday 10/05/2024	HCT3.1	66	Inorganic Chemical Spectroscopy (MSC14301)
Monday 13/05/2024	HCT3.2	67	Co-ordination Chemistry – I (MSC14302)
Wednesday 15/05/2024	SCT3.1	68	Nuclear Chemistry (MSC14306)
	SCT 3.2	69	OR Separation Science (MSC14307)
Wednesday 22/05/2024	OET	-	[Choose from list]

<b>Inorganic Chemistry Sem – IV (Neww.e.f. Nov 2021)</b> (CBCS Pattern-2020)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Thursday 09/05/2024	HCT 401	70	Instrumental Techniques (MSC14401)
Saturday 11/05/2024	HCT 402	71	Co-ordination Chemistry-II(MSC14402)
Tuesday 14/05/2024	HCT 403	72	Chemistry of Inorganic Materials(MSC14403)
Thursday 16/05/2024	SCT 404A	73	A) Applied Inorganic Chemistry(MSC14408)
	SCT 404B	74	OR Bioinorganic Chemistry(MSC14409)

<b>Pharmaceutical Chemistry Sem – III (Neww.e.f. June 2021)</b> (CBCS Pattern-2020)			
<b>Day &amp; Date</b>	<b>Paper No.</b>	<b>Sr. No.</b>	<b>Subject</b> <b>Time: 11:00a.m.to 2:00p.m</b>
<b>Friday 10/05/2024</b>	HCT3.1	75	Advanced Organic Chemistry-I (MSC012301)
<b>Monday 13/05/2024</b>	HCT3.2	76	Chemistry of Bioactive Heterocycles (MSC012302)
<b>Wednesday 15/05/2024</b>	SCT3.1	77	A) Drug Development(MSC012306)
	SCT3.2	78	OR B) Biochemistry(MSC012307)
<b>Wednesday 22/05/2024</b>	OET	-	[Choose from list]

<b>Pharmaceutical Chemistry Sem – IV (Neww.e.f. June 2021)</b> (CBCS Pattern-2020)			
<b>Day &amp; Date</b>	<b>Paper No.</b>	<b>Sr. No.</b>	<b>Subject</b> <b>Time: 3:00 p.m.to 6:00p.m</b>
<b>Thursday 09/05/2024</b>	HCT-401	79	Photochemistry and Pericyclic Reactions (MSC012401)
<b>Saturday 11/05/2024</b>	HCT-402	80	Advanced Organic Chemistry-II(MSC012402)
<b>Tuesday 14/05/2024</b>	HCT-403	81	Pharmaceutical Dosage Forms(MSC012403)
<b>Thursday 16/05/2024</b>	SCT4.1	82	A) Pharmaceutical Technology(MSC012408)
	SCT4.2	83	OR B) Industrial Pollution and Control(MSC012409)



<b>MEDICINL CHEMISTRY Sem – III (Neww.e.f. June 2021)</b> (CBCS Pattern-2020)			
Day &Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 2:00p.m
Friday 10/05/2024	HCT-3.1	84	Advanced Organic Chemistry – I (MSC08301)
Monday 13/05/2024	HCT-3.2	85	Chemistry of Bioactive Heterocycles (MSC08302)
Wednesday 15/05/2024	SCT3.1	86	A) Photochemistry and Pericyclic Reactions (MSC08306)
	SCT3.2	87	OR B) Drug Development(MSC08307)
Wednesday 22/05/2024	OET	-	[Choose from list]

<b>MEDICINL CHEMISTRY Sem – IV (Neww.e.f. June 2021)</b> (CBCS Pattern-2020)			
Day &Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 6:00p.m
Thursday 09/05/2024	HCT-4.1	88	Pharmaceutical Dosage Forms (MSC08401)
Saturday 11/05/2024	HCT-4.2	89	Modern Organic Chemistry (MSC08402)
Tuesday 14/05/2024	HCT-4.3	90	Drug Regulatory Affairs (MSC08403)
Thursday 16/05/2024	SCT4.1	91	A) Medicinal Chemistry (MSC08408)
	SCT4.2	92	OR B) Pharmaceutical Technology (MSC08409)

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Ref No.: PAHSUS/EXAM/TIME-TABLE/2024/923

Date: 15/04/2024

Sd/-

Director

Board of Examinations and Evaluation