



PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAMOF 2025 SEMESTER PATTERN EXAMINATION

DRAFT PROGRAM OF M.SC. PHYSICS (MATERIALS SCIENCE) SEMESTER – I TO IV OCT./NOV.- 2025

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.
५. 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 कमीत कमी २० मिनीट इतका वेळ वाढवून देण्यास सर्वानुमते मान्यता देण्यात आली.)

ज्या विद्यार्थ्यांच्या जुन्या अभ्यासक्रमाप्रमाणे परीक्षा देण्याच्या संधी संपलेल्या आहेत व त्यांना आता नवीन अभ्यासक्रमाप्रमाणे समकक्ष पेपर (Equivalence subject) देणे आवश्यक आहे. अशा विद्यार्थ्यांनी नवीन अभ्यासक्रमा प्रमाणे 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	College Abbreviation	Place
1	Solapur	PAHSUS	PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

Physics (Materials Science) SEM - I (New w.e.f. June 2023) (NEPCBCSPattern-2023)			
Day & Date	Paper No.	Sr. No.	Subject Time: 3:00 p.m.to 5:30 p.m
Wednesday 01/10/2025	DSC-1	1	Mathematical Physics (2321101)
Saturday 04/10/2025	DSC-2	2	Solid State Physics (2321102)
Tuesday 07/10/2025	DSE-1	3	Analog and Digital Electronics (2321106)
	DSE-2	4	OR Elements of Materials Science (2321107)
Thursday 09/10/2025	RM	5	Research Methodology in Physics (2321105)

Physics (Materials Science)SEM – II (New w.e.f. Nov 2023) (NEP CBCSPattern-2023)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00a.m.to 1:30 p.m
Friday 03/10/2025	DSC-3	6	Quantum Mechanics (2321201)
Monday 06/10/2025	DSC-4	7	Electrodynamics (2321202)
Wednesday 08/10/2025	DSE-2A	8	Classical Mechanics (2321206)
Friday 10/10/2025	DSE-2B	9	Conventional & Non conventional Energy (2321207)

Physics Materials Science SEM–III (NEW w.e.f.June2024) (NEP CBCS Pattern-2023)			
Day & Date	Paper No.	Sr. No.	Subject Time: 11:00 a.m. to 1:30 p.m
Wednesday 01/10/2025	DSC-5	10	Statistical Physics (2321301)
Saturday 04/10/2025	DSC-6	11	Atomic & Molecular Physics (2321302)
Tuesday 07/10/2025	DSE-3	12	A) Microcontrollers & Interfacing (2321306) OR
		13	B) Physics of Nanomaterials (2321307) OR
		14	C) Energy Harvesting Devices (2321308) OR
		15	D) Semiconductor Physics (2321309)

Physics Materials Science 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.
Friday 03/10/2025	DSC-7	16	Physics of Semiconductor Devices (2321401)
Monday 06/10/2025	DSC-8	17	Nuclear and Particle Physics (2321402)
Wednesday 08/10/2025	DSE-4A	18	A) Communication System (2321405) OR
	DSE-4B	19	B) Advanced Techniques of Materials Characterization (2321406) OR
	DSE-4C	20	C) Nanomaterials Characterization Techniques (2321407)

Physics Materials Science 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.
Friday 03/10/2025	HCT4.1	21	Semiconductor Devices (MSC03401)
Monday 06/10/2025	HCT4.2	22	Nuclear and Particle Physics (MSC03402)
Wednesday 08/10/2025	HCT4.3	23	Physics of Nano Materials (MSC03403)
Friday 10/10/2025	SCT4.1	24	a) Advanced Techniques of Materials Characterization (MSC03406)
	SCT4.2	25	OR b) Magnetic Materials-07 (MSC03407)

Please visit -sus.ac.in

Ref No.: PAHSUS/EXAM/TIME-TABLE/2025/1400

Date: 23/07/2025

Sd/-
Director
Board of Examinations and Evaluation

Equivalence Subject List

Pattern 2020 Paper Code	M.Sc Physics (Materials Science) Sem-I OLD	Pattern 2023 Paper Code	M.Sc Physics (Materials Science) Sem-I NEW
MSC03101	Mathematical Physics	2321101	Mathematical Physics
MSC03102	Solid State Physics	2321102	Solid State Physics
MSC03103	Analog and Digital Electronics	2321106	Analog and Digital Electronics
MSC03108	Classical Mechanics	2321206	Classical Mechanics
MSC03109	Elements of Materials Science	2321107	Elements of Materials Science
Pattern 2020 Paper Code	M.Sc Physics (Materials Science) Sem-II OLD	Pattern 2023 Paper Code	M.Sc Physics (Materials Science) Sem-II NEW
MSC03201	Quantum Mechanics	2321201	Quantum Mechanics
MSC03202	Electrodynamics	2321202	Electrodynamics
MSC03206	Statistical Physics	2321301	Statistical Physics
MSC03207	Analytical Techniques		

Pattern 2020 Paper Code	M.Sc Physics (Materials Science) Sem-III OLD	Pattern 2023 Paper Code	M.Sc Physics (Materials Science) Sem-III NEW
MSC03301	Semiconductor Physics	2321309	Semiconductor Physics
MSC03302	Atomic, Molecular Physics	2321302	Atomic & Molecular Physics
MSC03306	Dielectric & Ferroelectric Properties of Materials		No Equivalence
MSC03307	Materials Processing		No Equivalence
MSC03308	Materials Characterization		No Equivalence
MSC03312	Energy Harvesting Devices	2321308	Energy Harvesting Devices
Pattern 2020 Paper Code	M.Sc Physics (Materials Science) Sem-IV OLD	Pattern 2023 Paper Code	M.Sc Physics (Materials Science) Sem-IV NEW
MSC03401	Semiconductor Devices	2321401	Physics of Semiconductor Devices
MSC03402	Nuclear and Particle Physics	2321402	Nuclear and Particle Physics
MSC03403	Physics of Nano Materials		No Equivalence
MSC03406	Advanced Techniques of Materials Characterization	2321406	Advanced Techniques of Materials Characterization
MSC03407	Magnetic Materials		No Equivalence