

Centre for Nanoscience and Nanotechnology
Jamia Millia Islamia
New Delhi-25

List of Paper Setter(s)/ Examiner(s) in M. Tech (Nanotechnology-Semester I & III) for the Session 2026-27.

Semester Ist

S. No.	Paper Code	Title of Paper	Maximum Marks (UE)	Maximum Marks (IA)	Credit	Name of the Examiner	E-mail ID
1.	MTNT1-01	Quantum Mechanics and Quantum Materials	60	40	4	Dr. Mohammad Bilal Khan	mbkhan@jmi.ac.in
2.	MTNT1-02	Nanotechnology: Fundamentals and Properties	60	40	4	Prof. P. K. Bhatnagar	promod48@rediffmail.com
3.	MTNT1-03	Introduction to Nano Photonics	60	40	4	Prof. A. K. Hafiz	ahafiz@jmi.ac.in
4.	MTNT1-04	Advanced Characterization Techniques	60	40	4	Prof. Manika Khanuja	mkhanuja@jmi.ac.in
5.	MTL-01	Nanotechnology Laboratory-I	20	30	2	Dr. Mohammed Arif	marif4@jmi.ac.in
6.	MNE-01	Semiconductor Fabrication and Simulation	60	40	4	Dr. Samina Husain	shusain3@jmi.ac.in

Semester IIIrd

S. No.	Paper Code	Title of Paper	Maximum Marks (UE)	Maximum Marks (IA)	Credit	Name of the Examiner	E-mail ID
1.	MTNT3-01	MEMS/NEMS and Sensor Technology	60	40	4	Dr. Sandeep Kumar	skumar3@jmi.ac.in
2.	MTNT3-02	Nanomaterials for Energy Applications	60	40	4	Dr. Samina Husain	shusain3@jmi.ac.in
3.	MTNT3-03-S	Techniques of Materials Characterization	60	40	4	Prof. Manika Khanuja	mkhanuja@jmi.ac.in
4.	MTNT3-04	Surface Engineering for Nanotechnology	60	40	4	Dr. Mohammad Bilal Khan	mbkhan@jmi.ac.in
5.	MTL-03	Advanced Nanotechnology Laboratory-III	60	40	4	Prof. Saif Ali Chaudhry	schaudhry@jmi.ac.in
6.	MTS-01	Seminar	20	30	2	Dr. Sandeep Kumar	skumar3@jmi.ac.in



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List of Paper Setter(s)/ Examiner(s) in M. Tech (Materials Science and Technology-Semester-I) for the Session 2026-27

Semester Ist

S. No.	Paper Code	Title of Paper	Maximum Marks (UE)	Maximum Marks (IA)	Credit	Name of the Examiner	E-mail ID
1.	MS1-01	Fundamentals of Materials Science	60	40	4	Prof. A. K. Hafiz	ahafiz@jmi.ac.in
2.	MS1-02	Thermodynamics and Phase Transition	60	40	4	Dr. Mohammad Bilal Khan	mbkhan@jmi.ac.in
3.	MS1-03	Materials Processing	60	40	4	Dr. Mohammed Arif	marif4@jmi.ac.in
4.	MS1-04	Advanced Characterization Techniques	60	40	4	Prof. Manika Khanuja	mkhanuja@jmi.ac.in
5.	MSL1-01	Materials Science Laboratory-I	20	30	2	Dr. Samina Husain	shusain3@jmi.ac.in
6.	MSE-01	Semiconductor Fabrication and Simulation	60	40	4	Prof. Manika Khanuja	mkhanuja@jmi.ac.in



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List of Paper Setter(s)/ Examiner(s) in Ph. D. (Nanotechnology) Course Work for the Session 2026-27

S. No.	Paper Code	Title of Paper	Maximum Marks (UE)	Maximum Marks (IA)	Credit	Name of the Examiner	E-mail ID
1.	PHDNT1-01	Research Methodology:	60	40	4	Prof. A. K. Hafiz	ahafiz@jmi.ac.in
2.	PHDNT1-02	Characterization Techniques	60	40	4	Prof. Manika Khanuja	mkhanuja@jmi.ac.in
3.	PHDNT1-03	Seminar (Annotated Bibliography)	20	30	2	Prof. Saif Ali Chaudhry	schaudhry@jmi.ac.in
4.	PHDNT1-04	Ethics in Research	30	20	2	Dr. Sandeep Kumar	skumar3@jmi.ac.in
Elective Papers:							
5.	PHDNT1-05	Carbon Nanotubes for Device Applications	60	40	4	Dr. Samina Husain	shusain3@jmi.ac.in
6.	PHDNT1-06	Frontiers in Material Science	60	40	4	Prof. Manika Khanuja	mkhanuja@jmi.ac.in
7.	PHDNT1-07	Thin Film Photovoltaic	60	40	4	Dr. Mohammad Bilal Khan	mbkhan@jmi.ac.in
8.	PHDNT1-08	Introduction to Nano-Optics	60	40	4	Prof. A. K. Hafiz	ahafiz@jmi.ac.in
9.	PHDNT1-09	Nanomaterials for Sensors	60	40	4	Dr. Mohammed Arif	marif4@jmi.ac.in
10.	PHDNT1-10	Functional Nanomaterials	60	40	4	Dr. Sandeep Kumar	skumar3@jmi.ac.in

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