

#### Office of the Dean Academic

Indian Institute of Engineering Science and Technology, Shibpur

(Formerly Bengal Engineering & Science University, Shibpur)

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Website: https://www.iiests.ac.in

No. 027/ACAD/2024

Date: January 25, 2024

### **NOTICE**

Sub: Undergraduate (B.Tech & B.Arch)  $2^{nd}$ ,  $4^{th}$  &  $6^{th}$  Semester, Undergraduate(B.Tech)  $8^{th}$  Semester, Postgraduate (M.Tech./MoP/M.Sc/MBA)  $2^{nd}$  Semester, Postgraduate (M.Sc/MBA)  $4^{th}$  Semester & Ph.D. Coursework Mid Semester Examinations, 2024 to be held in February 2024.

This is to inform that the Mid Semester Examinations of Undergraduate (B.Tech & B.Arch) 2<sup>nd</sup>, 4<sup>th</sup> & 6<sup>th</sup> Semester, Undergraduate (B.Tech) 8<sup>th</sup> Semester, Postgraduate (M.Tech. /MoP/M.Sc/MBA) 2<sup>nd</sup> Semester, Postgraduate (M.Sc/MBA) 4<sup>th</sup> Semester & Ph.D. Coursework Examinations is scheduled to commence from 19<sup>th</sup> February 2024 and it will continue till 26<sup>th</sup> February 2024 in two halves. The programme of the said examinations is attached herewith.

The students/scholars are advised to bring the Student Identity Card in the examination venue. The students/scholars shall not be allowed to appear the said examinations without Student Identity Card.

This is issued with the concurrence of the Dean (Academic).

Sd/-Dr.Nirmalya Kumar Bhattacharyya Joint Registrar (Academic)

Date: January 25, 2024

No. 027/ACAD/1(08)/2024

Copy forwarded for information and necessary action to:

- 1. PS to the director
- 2. The Dean(Student Welfare)
- 3. All Heads of the Departments/Schools/Centers
- 4. The Chairman-SUGC & SPGC
- 5. The Professor-In-Charge(Examination)
- 6. The Student Senate
- 7. The Academic Section-File
- 8. Institute Website

Joint Registrar (Academic)

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IIEST, Shibpur

# B.TECH/B.ARCH SECOND SEMESTER MID SEMESTER EXAMINATION FOR THE SESSION 2023 –2024 TO BE HELD IN FEBRUARY, 2024 PROGRAMME

DATE OF COMMENCEMENT: 19.02.2024

TIME: 11.00 AM to 1.00 PM

DATE	GROUP I	GROUP II	GROUP III	GROUP IV	GROUP V	GROUP VI	GROUP VII	GROUP VIII	ARCHITECTURE
19.02.2024	Mathematics II (MA1201)	Mathematics II (MA1201)	Mathematics II (MA1201)	Mathematics II (MA1201)	Mathematics II (MA1201)	Mathematics II (MA1201)	Mathematics II (MA1201)	Mathematics II (MA1201)	Materials & Methods of Construction II (AP1201)
20.02.2024	Chemistry CH1201	Chemistry CH1201	Chemistry CH1201	Chemistry CH1201	Physics(PH1201)	Physics(PH1201)	Physics(PH1201)	Physics(PH1201)	Mathematics IIA (MA1202)
21.02.2024	Introduction to Computing (CS1201)	Introduction to Computing (CS1201)	Introduction to Computing (CS1201)	Introduction to Computing (CS1201)	Basic Electrical Engineering (EE1201)	Basic Electrical Engineering (EE1201)	Basic Electrical Engineering (EE1201)	Basic Electrical Engineering (EE1201)	Introduction to Computing (CS1201)
22.02.2024	Mechanics (AM1201)	Mechanics (AM1201)	Mechanics (AM1201)	Mechanics (AM1201)	Sociology & Professional Ethics (HU1202)	Sociology & Professional Ethics (HU1202)	Sociology & Professional Ethics (HU1202)	Sociology & Professional Ethics (HU1202)	Strength of Materials (AM1203)
23.02.2024	Professional Communication in English (HU 1201)	Professional Communication in English(HU 1201)	Professional Communication in English (HU 1201)	Professional Communication in English (HU 1201)	Environment & Ecology (CE1201)	Environment & Ecology (CE1201)	Environment & Ecology (CE1201)	Environment & Ecology (CE1201)	Fundamentals of Ecology & Environmental Pollutions (CE1202)

### INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR

### B.TECH/B.ARCH FOURTH SEMESTER MID-SEMESTER EXAMINATION FOR THE SESSION 2023–2024 TO BE HELD IN FEBRUARY 2024

### PROGRAMME

## **DATE OF COMMENCEMENT: 19.02.2024**

TIME: 2.00 PM - 4.00 PM

DATE	CE	ME	MET	MIN	AE	EE	ETC	CST	IT	ARCHITECTURE
19.02.2024	Structural Analysis I CE2201	Fluid Mechanics AM 2201	Principles of Extractive Metallurgy MM2205	Geology ES2202	Fundamentals of Viscous Flow AE 2201	Electrical Machines –II EE2201	Analog Electronics ET2201	Design and Analysis of Algorithm CS2201	Communicatio n Systems IT 2201	Evolution of Architecture II AP2201
20.02.2024	Geotechnical Engineering I CE2202	Applied Thermodynamic s ME2201	Heat Treatment MM2206	Heat Power and theory of Machines ME2205	Advanced Strength of Materials AE 2202	Network Theory EE2202	Digital Electronics ET2202	Computer Architecture and Organization – I CS2202	Computer Organization and Architecture IT2202	Materials and Methods of Construction IV AP2202
21.02.2024	Environmental Engineering I CE2203	Kinematics of Mechanisms and Robots ME2202	Deformation Behaviour of Materials MM2207	Fluid Mechanics and Fluid Machines AM2202	Theory of Vibration AE 2203	Analog Electronics EE2203	Microelectron ics Technology ET2203	Programming Paradigms CS2203	Computer Graphics IT2203	Climatology AP2203
22.02.2024	Water Resources Engineering– I CE2204	Fundamentals of Machine Design ME2203	Computational Materials Engineering MM2208	Underground Coal Mining MN2204	Engineering Thermodynam ics AE 2204	Control Systems I EE2204	Electronic Instrumentati on and Control ET2204	Theory of Computation CS2204	Formal language and Automata Theory IT2204	Building Services I: Illumination and Electrical Installations AP2204
23.02,2024	Geology for Civil Engineering ES2201	Engineering Materials and Processes ME2204	Iron Making MM2209	Underground Mine Environment MN2205	Aircraft Performance AE 2205	Digital Electronics EE2205	Electromagne tic Theory and Radio Wave Propagation ET2205	Introduction to Data Science CS2205	Object Oriented System Design IT2205	Design of Reinforced Concrete Structures CE2217

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### INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR

### B.TECH/B.ARCH SIXTH SEMESTER MID-SEMESTER EXAMINATION FOR THE SESSION 2023–2024 TO BE HELD IN FEBRUARY 2024

### PROGRAMME

### **DATE OF COMMENCEMENT: 19.02.2024**

Date	ME	AE	MET	MIN	CE	EE	ETC	CST	IT	ARCHITECTURE
19.02.2024	Internal Combustion Engines And Jet Propulsion (ME3201)	High Speed Aerodynami cs AE 3201	Mechanical Testing of Materials MM3214	Metalliferous Mining MN3201	Design of Steel Structures CE3201	Electric Drives EE3201	Digital Signal Processing ET3201	Operating Systems CS3201	Compilers IT3201	AP3201 Evolution of Architecture
20.02.2024	Design Of Frictional Machine Elements (ME3202	Theory of Propulsion AE 3202	Alloy Steel and Cast Iron MM3215	Opencast Mining Machinery MN3202	Geotechnical Engineering II CE3202	Power System II EE3202	VLSI and CAD ET3202	Data Communication and Computer Network CS3202	Computer Networks IT3202	AP3202 Valuation of Real Properties
21.02.2024	Modelling and Control of Mechanical Systems (ME3203)	Aerospace Structures AE 3203	Physical Metallurgy of Non-Ferrous Alloys MM3216	Rock Mechanics MN3203	Transportation Engineering II CE3203	Switchgear and Power System Protection EE3203	Wireless and Mobile Communications ET3203	Software Engineering CS3203	Software Engineering IT3203	AP3203 Energy Efficient Architecture
22.02.2024	Manufacturi ng Technology (ME3204	Introduction to FEM and Applications AE 3204	Materials Characterization MM3217	Environmental Engineering of Mines MN3204	Estimation, Valuation and Project Management CE3204	Microproce ssor & Micro controller EE3204	Computer and Communication Networks ET3204	Information Security and Cryptography CS3204	High Performance Computer Arch IT3204	AP3204 Disaster Resistant Architecture
23.02.2024	Fluid Power Engineering AM 3201	Orbital Mechanics AE 3205	Metal Forming Technology MM3218	Mine management Legislation and general safety MN3205	Numerical Methods in Civil Engineering CE3205	Transducer s and Instrument ation EE3205	Computer Organization and Architecture ET3205	Nature Inspired Algorithms (CS3221) Computing-in- Memory Architecture (CS3223)	Machine Learning IT3205	

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TIME: 11.00 AM to 1.00 PM

## INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR

### B.TECH EIGHTH SEMESTER MID-SEMESTER EXAMINATION FOR THE SESSION 2023–2024 TO BE HELD IN FEBRUARY 2024

## PROGRAMME

### DATE OF COMMENCEMENT: 19.02.2024

Date	ME	AE	CE	MET	MIN	EE	ETC	CST	IT
19.02.2024	HU4201 Finance, Economics And Management For Engineers	Turbulent Flow(AE4201)	HU4201 Finance, Economics And Management For Engineers	Design and Selection of Materials (MM4221)	HU4201 Finance, Economics And Management For Engineers	Power System Planning and Reliability (EE4201)	Optoelectronic s and Optical Communicatio n(ET4201)	Artificial Intelligence (CS4201)	Artificial Intelligence (IT4201)
20.02.2024	Power Plant Engineering (ME4221) Manufacturi ng Automation (ME4222) Robotics (ME4225) Introduction to Biomechani cs (ME 4226)	Aeroelasticity (AE 4223) Fundamental s of Combustion in Propulsion (AE 4224)	CE 4221: Bridge Engineering CE 4224: Behavior of metal structures CE 4228: Geotechnical Investigations and Instrumentation CE 4230: Road Safety Engineering CE 4231: Rural Water Supply and Sanitation CE 4232: Hydraulic Structures	Fracture and Failure Analysis (MM4228) Non- destructive Characteriz ation (MM4230)	MN 4221 Material Handling and transport  MN 4222 Remote sensing and image processing  MN 4223 Environmental impact assessment and management of mining project	Advanced Programming in Electrical Engineering (EE4221) Digital Communication in Electrical Systems(EE4223)	Sensors and Actuators for Electronic Systems (ET4222)	Reconfigurable Computing CS4225 Quantum Computing (CS4226)	Cloud Computing and Web Service (IT4221) Deep Learning (IT4224) Intelligent Transportation and Smart Systems (IT4226)

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TIME: 2.00 PM - 4.00 PM

## INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR

## B.TECH EIGHTH SEMESTER MID-SEMESTER EXAMINATION FOR THE SESSION 2023–2024 TO BE HELD IN FEBRUARY 2024

### PROGRAMME

### **DATE OF COMMENCEMENT: 19.02.2024**

Date of Examination		Allotted Open Elective Subject
	MS4261	Marketing Management for Engineers
	EE4261	Electricity Conservation and Environmental Management
	CE 4261	Environmental Management
	PH4261	Nonlinear Dynamics: Chaos and Fractals
	ET4261	Satellite Communications
	IT4267	Mobile Computing
	CS 4261	Data Mining
21.02.2024	MM4261	Nanomaterials
	MS4262	Entrepreneurship and Innovation management
	CE 4263	Transportation in Logistics and Supply Chain Management
	PH4262	Fiber Optics and its Applications
	MM4262	Biomaterials
	CE 4265	Slope Stability and Underground Space Technology
	MM4263	Engineering Composite Materials
	ME4261	Energy Storage Technology

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TIME: 2.00 PM - 4.00 PM

#### M.SC/MBA SECOND SEMESTER MID SEMESTER EXAMINATION FOR THE SESSION 2023 –2024 TO BE HELD IN FEBRUARY 2024 PROGRAMME

DATE OF COMMENCEMENT: 19.02.2024 TIME: 11.00 AM to 1.00 PM

DATE	Chemistry	Applied Mathematics	Physics	Food Processing & Nutrition Sciences	Applied Geology	MBA
19.02.2024	CH5201Classical and statistical thermodynamics, surface and bio-physical chemistry	MA5201Ordinary Differential Equations and Dynamical System	PH5201 Electromagnetic Theory	CT5201 Food Processing Principles and Application	ES5201 Sedimentology & Basin Analysis	MS5201Human Resource Management
20.02.2024	CH5202Organometallics, Homogeneous catalysis and Solid state chemistry	MA5202Partial Differential Equations and Calculus of Variation	PH5202 Electronic Devices and Circuits	CT5202 Food Preservation Principles and Application	ES5202 Metamorphic Petrology &Thermodynamics	MS5202 Operations Research
21.02.2024	CH5203Synthetic Organic Chemistry	MA5203Topology and Tensor Analysis	PH5203:Quantum Mechanics-II	CT5203 Nutrition and Human Development	ES5203 Principles of Stratigraphy & Indian Stratigraphy	MS5203 Marketing Management-II
22.02.2024	CH5221Green chemistry, Pericyclic reactions and Organic photochemistry CH5222Photophysical processes and Polymer chemistry CH5223Advanced bioinorganic and Inorganic supramolecular chemistry	MA5221Mathematical Biology MA5222Mathematical Optimization Techniques	PH5222 Computational Physics PH5224Plasma Physics	Microbial Enzyme Technology (CT 5221)	ES5221 Mathematical Geology	MS5205Production and Operations Management
23.02.2024						MS5206 Business Environment and Legal System
26.02.2024						MS5204 Financial Management [Venue : L102 Time : 2 PM to 4 PM]

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DATE OF COMMENCEMENT: 19.02.2024 TIME: 2.00 PM to 4.00 PM

DATE	VLSI Design	Mechatronics	EE (CSI)	EE (PES)	EE (PEMD)	Applied Mechanics (MoF)	MOP	Applied Mechanics (MoS)
19.02.2024	VL5202 IC Technology	MC5201 Robotics	EE5201 Optimal & Robust Control Theory	EE5205 Power System Stability, Security and High Voltage Engineering	EE5207 Advanced Electrical Drives	AM5215 Fluid Power Control System	AP6201 Metropolitan and Regional Planning	AM5201 Theory of Plasticity
20.02.2024	VL5201 VLSI Physical Design	MC5202 Machine Learning in Mechatronics	EE5202 Signal and Image Processing for Instrumentation and Control	EE5204 Advanced Power System Protection	EE5208 Special Topics in Power Electronics	AM5216 Theory of Turbulence	AP6202 Environmental Planning	AM5202 Theory of Elastic Stability
21.02.2024	VL5203 Testing and Verification	MC5203 Signal Processing and Applications	EE5203 Optimal Filtering & Stochastic Processes	EE5206 Smart Grid Technologies and Energy Informatics	EE5209 Selected Machines for Electric Vehicle and Wind Power Applications	AM5217 Compressible Flow	AP6203 Planning Legislation and Professional Practice	AM5203 Mechanics of Plates and Shells
22.02.2024	VL5222 Mixed Signal Circuit Design	MC5221 CAD/CAM Automation and Prototype Development	EE5222 Nonlinear Control Theory EE5226 Power Electronic Converters for Bulk Power Conditioning	EE5222 Nonlinear Control Theory EE5226 Power Electronic Converters for Bulk Power Conditioning	EE5222 Nonlinear Control Theory EE5226 Power Electronic Converters for Bulk Power Conditioning	Microfluidics (AM5248)	AP6204 Housing and Urban Renewal	AM5242 Advanced Finite Element Method in Solid Mechanics
23.02.2024							AP6222 Rural Development and Planning AP6221 Urban Design and Conservation	

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DATE OF COMMENCEMENT: 19.02,2024 TIME: 2.00 PM to 4.00 PM

DATE	CE (Env Engg)	CE (Geotech. Engg)	CE (Struc. Engg)	CE (W.R. Engg)	CE (Trans. Engg)	ME (Thermal Engg)	ME (Machine Des)	ME (Manufac. Sc.)
19.02.2024		CE5205 Analysis and Design of Special Foundations	CE5201 Advanced Structural Mechanics		CE5207 Pavement Engineering II	ME 5201 Refrigeration and Air- Conditioning	ME 5206 Fatigue, Creep and Fracture Mechanics	ME 5211 Energy Beam Processing of Materials
20.02.2024		CE5204 Applied Geotechnical Engineering	CE5202 Structural Dynamics		CE5208 Traffic System Design and Management	ME 5202 Advanced Heat Transfer	ME 5207 Geometric Modelling For CAD	ME 5212 Advanced Operations Research
21.02.2024		CE5229 Geotechnical Earthquake Engineering	CE 5221 Reliability Based Analysis and Design CE 5224 Bridge Engineering		CE5239 Intelligent Transportation Systems	ME 5203 Gas Turbines and Compressors	ME 5208 Nonlinear Dynamics	ME5213 Metal Forming
22.02.2024		CE5206 Elasticity and Plasticity	CE5203Design and Behavior of Metal Structures		CE5209 Transport Economics and Project Evaluation	Numerical Heat Transfer (ME5222)	Industrial Tribology (ME5235)	Material Handling (ME5244)

## M.TECH/MOP SECOND SEMESTER MID SEMESTER EXAMINATION FOR THE SESSION 2023 –2024 TO BE HELD IN FEBRUARY 2024 PROGRAMME

DATE OF COMMENCEMENT: 19.02.2024 TIME: 2.00 PM to 4.00 PM

DATE	METALLURGY	Biomedical Engineering	Green Energy	Mineral and Energy Resources Engineering
	Materials Engineering)			
19.02.2024	MM5201	HC5201	GS -5201	
	Manufacturing Processes	Nano and Micro-fabrication Techniques	Instrumentation and Control in Energy Systems	
20.02.2024	MM5202	HC5202	GS -5202	
	Mechanical Behavior of Materials	Data Analytics and Soft Computing	Fuel Cells, Hydrogen Energy and	
			Energy Storage	
21.02.2024	MM5203	HC5203	GS -5203	
	Multiscale Materials Modeling	Implant Biomaterials and Medical Device	Smart Microgrid Systems: Design	
		Designing	and Performance	
22.02.2024	MM5223	HC5223	GS -5224	Health Safety and Environment in Mines(MN5201)
	Surface Treatment And Modification	Bioinformatics, Drug Design and Functional	Advanced Solar Cell Concepts and Related Technology	
		Genomics		

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DATE OF COMMENCEMENT: 19.02.2024 TIME: 2.00 PM to 4.00 PM

DATE	IT	ETC ( CE& SP )	ETC ( MW Comm)	ETC ( M.ETC&VLSI)	CSE
19.02.2024	IT 5201	ET5201	ET5204	ET5207	CS 5202
	Advanced Database	Information Theory	Microwave Integrated	Digital VLSI Design	Real Time Systems
	Management System	and Coding	Circuits	8	, in the second
20.02.2024	IT 5202	ET5202	ET5205	ET5210	CS 5205
	Network and Information	Digital Voice and	Advanced wave propagation	Low Power VLSI Design	Advanced Database Management System
	Security	Picture	and Electromagnetic		
	-	Communication	Metamaterials		
21.02.2024	IT 5203	ET5203	ET5206	ET5211	CS 5209
	Internet and Distributed	Wireless Networks	Radar Engineering	VLSI Physical Design	Advanced Networking
	Computing				
22.02.2024	(IT 5222)	Computer Networks	Computer Networks	Computer Networks (ET5221)	(CS5222)
	Mobile Computing	(ET5221)	(ET5221)		Natural Language Processing
	(IT 5225)			RF IC and RF MEMS (ET5224)	
	Machine Learning				
			RF IC and RF MEMS		
			(ET5224)		

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DATE OF COMMENCEMENT: 19.02.2024 TIME: 2.00 PM to 4.00 PM

Date of Examinations		OPEN ELECTIVE SUBJECTS
	MA5261	Advanced Optimization and it's applications
	ES5262	Natural Resources and Energy
	EE5262	Power Supplies for Electrical Equipment
	CE 5261	Plastic and Electronic Waste Management
	CH5261	Spectroscopy for Chemical Analysis
23.02.2024	IT5261	CAD Algorithms for VLSI
	HU 5265	Econometrics for Engineers
	HC5264	Biotechniques for Industrial Applications
	CS 5261	Data Mining and Knowledge Discovery
	MM5261	Nanostructures and Nanomaterials
	MM5262	Biomedical Materials and Devices
	HC5263	Nanotechnology in Medicine and Biology

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DATE OF COMMENCEMENT: 19.02.2024

TIME: 2.00 PM to 4.00 PM

DATE	Chemistry	Applied Mathematics	Physics	Food Processing & Nutrition Sciences	Applied Geology	MBA
19.02.2024		MA6201Electrodynamics and Classical Mechanics	PH6201 Statistical Mechanics	CT6201 Food Industry Effluents and Waste Treatments	ES6201 Paleontology& Mass Extinction	MS6201 Strategic Management
20.02.2024	CH6201Molecular quantum mechanics and Statistical mechanics  CH6202Chemistry of f-block elements, inorganic photochemistry, clusters and crystallography  CH6203  Advanced methods in organic synthesis			waste freatments		MS6224 Advanced Marketing Management
21.02.2024					ES6221 Geodynamics	MS6221 Financial Markets, Institutions and Services MS6225 Advanced Human Resource Management MS6227 Technology Management
22.02.2024	CH6222Principles and applications of electrochemistry CH6223Advanced Inorganic chemistry CH6224Medicinal chemistry and synthesis of selective drugs	MA6221 Waves and Vibrations in Elastic Media MA6222 Advanced Fluid Dynamics	PH6221Physics of Materials PH6222Nuclear Physics and Nuclear Astrophysics PH6223Field Theory and Particle Physics PH6224 Advanced Condensed Matter Physics	Food Product Design and Development (CT6221)		MS6223 Advertising, Sales and Distribution Management
23.02.2024						MS 6222 International Financial Management MS6226 Corporate Human Resource Planning and HRD Audit MS6228 Service Operations Management

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## PH.D. COURSEWORK SUBJECT MID SEMESTER EXAMINATION FOR THE SESSION 2023 –2024 TO BE HELD IN FEBRUARY, 2024 PROGRAMME

DATE OF COMMENCEMENT: 19.02.2024

**TIME: 11.00 AM to 1.00PM** 

DATE	CHEMISTRY [Venue : S-281, 1 <sup>st</sup> Floor EE Department]	HSS/MATHEMATICS	PHYSICS [Venue : S-4701, 3 <sup>rd</sup> Floor EE Department]
19.02.2024	Advanced Spectroscopic Techniques for Structure Determination CH8201		Principle of Detectors PH8205
20.02.2024	Synthetic Strategies in Organic & Inorganic Chemistry CH8202		Advanced Quantum Field Theory PH8212
21.02.2024	Modern Concepts in Organic Synthesis CH8205		Computational Physics in MatLab PH8204
22.02.2024	Advanced Energy Materials(CH8203)		Preparation and Characterization of Materials PH8206
26.02.2024		Research Methodology & Technical Writing MA8201 Time: 2 PM to 4 PM [L102, Lecture Hall Complex]	

Note: 1. The Coursework subjects which are common to PG Courses have been reflected in PG Programme.

2. The seating arrangement shall be made as per the venue of the examinations of the concerned subject of PG Programme. The seating arrangement of the subject MA8201 shall be made in L102 GROUND FLOOR (LECTURE HALL COMPLEX).

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