



**Office of the Dean Academic**  
**Indian Institute of Engineering Science and Technology, Shibpur**  
(Formerly Bengal Engineering & Science University, Shibpur)  
**P.O :Botanic Garden, Howrah – 711 103, West Bengal, India**  
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**Website : <https://www.iiests.ac.in>**

No. 1939/Exam

Date: June 14, 2021

## **NOTICE**

This is for information to all concerned that the End-Semester Examinations for PG 2<sup>nd</sup> Semester (M.Tech/MoP/M.Sc/MBA Courses), PG 4<sup>th</sup> Semester (M.Sc/MBA Courses), DD 8<sup>th</sup> & 10<sup>th</sup> Semester Courses (For the subject(s) common with PG 2<sup>nd</sup> Semester and also for the subject(s) that has been offered particularly for DD Courses) shall commence from June 21, 2021 and will continue till June 26, 2021. The Examinations shall be held in ONLINE mode as per the following protocol:

- i) The examination shall be conducted as per the programme attached herewith.
- ii) For conducting the examination a separate Google Classroom shall be created and the students shall be added in that Classroom.
- iii) Examination Meeting Links shall be provided to the G-suite IDs of the concerned students by 19.06.2021. If any student fails to receive the links of any paper by 20.06.2021 morning, he/she shall send an email from his/her G-Suite ID to Head of the parent department with a copy to the Deputy Registrar (Academic) [dr.ac@iiests.ac.in]. If any discrepancy is found by any of the students, he/she shall bring it to the notice of the Deputy Registrar (Academic)[dr.ac@iiests.ac.in] by 20.06.2021.
- iv) Each student must join at least Ten (10) minutes before the schedule examination time. Duration of examination is One Hour & Thirty minutes and another twenty(20) minutes shall be given to upload the scanned answer scripts.
- v) Each student shall write the answers on plain papers of standard A4 size or full size paper of big exercise book using pen so that the scanned document is properly readable. In the top sheet, the following information must be written by the examinee before the commencement of the examination:
  - Name of the Examination
  - Name of the Subject
  - Subject Code
  - Date of Examination
  - Name of the Student
  - Examination Roll Number
  - G Suite ID
  - Number of Sheets uploaded
- vi) During the entire period of examination, **camera of your device has to be kept on and audio to be kept OFF** and you shall be proctored by the faculty members. Adoption of any unfair means shall be dealt with as per Institute rules and practices.

- vii) Sharing and coping answers or part thereof shall be treated as adoption of unfair means and shall be liable to cancellation.
- viii) The examinees shall not communicate with each other during the examinations and also shall not be allowed with any kind of Chat.
- ix) The meeting at the time of the examinations shall be recorded.
- x) The students are advised to upload answer scripts in PDF/JPEG format preferably in PDF Format.

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

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

No. 1939/1(6) Exam

Date: June 14, 2021

Copy forwarded for information and necessary action to:

1. All Heads of the Departments/Schools/Centers
2. The Chairman- SPGC
3. The Professor-In-Charge(Examinations)
4. The Student Senate
5. The Academic Section-File
6. Institute Website



Deputy Registrar (Academic)  
IIEST, Shibpur

OFFICE OF THE DEAN ACADEMIC  
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR

**M.TECH/MOP/M.SC/MBA SECOND SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN JUNE, 2021**  
P R O G R A M M E

**DATE OF COMMENCEMENT: 21.06.2021**

**TIME: 11.00 am to 12.30 pm** [Additional 20(Twenty) minutes for uploading the Answer scripts]

DATE	Chemistry	Applied Mathematics	Physics	Applied Geology	Food Processing & Nutrition Sciences	MBA	MOP	Applied Mechanics (MoS)
21.06.2021	CH5201 Classical and statistical thermodynamics, surface and bio-physical chemistry	MA5201 Ordinary Differential Equations and Dynamical System	PH5201 Electromagnetic Theory	ES5201 Sedimentology & Basin Analysis	CT5201 Food Processing Principles and Application	MS5201 Human Resource Management	AP6201 Metropolitan and Regional Planning	AM5201 Theory of Plasticity
22.06.2021	CH5202 Organometallics, Homogeneous catalysis and Solid state chemistry	MA5202 Partial Differential Equations and Calculus of Variation	PH5202 Electronic Devices and Circuits	ES5202 Metamorphic Petrology & Thermodynamics	CT5202 Food Preservation Principles and Application	MS5202 Operations Research	AP6221 Urban Design and Conservation AP6222 Rural Development and Planning	AM5202 Theory of Elastic Stability
23.06.2021	CH5203 Synthetic Organic Chemistry	MA5203 Topology and Introduction to Fuzzy Set Theory	PH5203: Quantum Mechanics-II	ES5203 Principles of Stratigraphy & Indian Stratigraphy	CT5203 Nutrition and Human Development	MS5203 Marketing Management-II	AP6203 Planning Legislation and Professional Practice	AM5203 Mechanics of Plates and Shells
24.06.2021						MS5205 Production and Operations Management	AP6202 Environmental Planning	AM5236 Nonlinear Dynamics and Chaos
25.06.2021						MS5204 Financial Management	AP6204 Housing and Urban Renewal	
26.06.2021	CH5221 Green chemistry, Pericyclic reactions and Organic photochemistry CH5222 Photophysical processes and Polymer chemistry CH5223 Advanced bioinorganic and Inorganic supramolecular chemistry	MA5221 Mathematical Biology MA5222 Mathematical Optimization Techniques	PH5221 Advanced Optics PH5222 Computational Physics PH5224 Plasma Physics	ES5221 Mathematical Geology ES5222 Marine Geology	CT5222 Food Toxicology	MS5206 Business Environment and Legal System		AM5242 Advanced Finite Element Method in Solid Mechanics

*N. S. Chakravarty*

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**M.TECH/MOP/M.SC/MBA SECOND SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN JUNE, 2021**  
P R O G R A M M E

**DATE OF COMMENCEMENT: 21.06.2021**

**TIME: 11.00 am to 12.30 pm** [Additional 20(Twenty) minutes for uploading the Answer scripts]

DATE	VLSI Design	Mechatronics	EE (CSI)	EE (PES)	EE (PEMD)	Applied Mechanics (MoF)
21.06.2021	VL5201 VLSI Physical Design	MC5201 Robotics	EE5201 Optimal & Robust Control Theory	EE5204 Advanced Power System Protection	EE5207 Advanced Electrical Drives	AM5215 Fluid Power Control System
22.06.2021	VL5202 IC Technology	MC5202 Machine Learning in Mechatronics	EE5202 Signal and Image Processing for Instrumentation and Control	EE5205 Power System Stability, Security and High Voltage Engineering	EE5208 Special Topics in Power Electronics	AM5216 Theory of Turbulence
23.06.2021	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
24.06.2021	VL5222 Mixed signal circuit design VL5224 SOC Design and Testing	MC5221 CAD/CAM Automation and Prototype Development MC5222 Industrial Instrumentation and Prototype Development	EE5222 Nonlinear Control Theory EE5224 Power system Reliability and load forecasting techniques EE5226 Power Electronic Converters for Bulk Power Conditioning	EE5222 Nonlinear Control Theory EE5224 Power system Reliability and load forecasting techniques EE5226 Power Electronic Converters for Bulk Power Conditioning	EE5222 Nonlinear Control Theory EE5224 Power system Reliability and load forecasting techniques EE5226 Power Electronic Converters for Bulk Power Conditioning	AM5246 Instrumentation in Fluid Mechanics

*N. Shastri*

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P R O G R A M M E

**DATE OF COMMENCEMENT: 21.06.2021**

**TIME: 1.30 pm to 3.00 pm** [Additional 20(Twenty) minutes for uploading the Answer scripts]

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.)
21.06.2021	CE5210 Industrial Pollution Control	CE5204 Applied Geotechnical Engineering	CE5201 Advanced Structural Mechanics	CE5213 Water Resources Planning and Management	CE5207 Pavement Engineering II	ME 5201 Refrigeration and Air- Conditioning	ME 5206 Fatigue, Creep and Fracture Mechanics	ME 5211 Energy Beam Processing of Materials
22.06.2021	CE5211 Air Pollution and Control	CE5205 Analysis and Design of Special Foundations	CE5202 Structural Dynamics	CE5214 Ground Water Hydrology and Water Resources Development	CE5208 Traffic System Design and Management	ME 5202 Advanced Heat Transfer	ME 5207 Geometric Modelling For CAD	ME 5212 Advanced Operations Research
23.06.2021	CE5245 Process and Hydraulic Design of Water and Wastewater Systems	CE5229 Geotechnical Earthquake Engineering CE5230 Environmental Geotechnics	CE 5221 Reliability Based Analysis and Design CE 5224 Bridge Engineering	CE5254 Storm water Management	CE5239 Intelligent Transportation Systems	ME 5203 Gas Turbines and Compressors	ME 5208 Nonlinear Dynamics	ME5213 Metal Forming
24.06.2021	CE5212 Solid and Hazardous Waste Management	CE5206 Elasticity and Plasticity	CE5203 Design and Behavior of Metal Structures	CE5215 Hydrology of Extreme Events and Mitigation Measures	CE5209 Transport Economics and Project Evaluation	ME 5221 Solar Thermal Engineering	ME 5233 Composite Materials	ME 5246 Industrial Automation

*N. Shrivastava*

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**M.TECH/MOP/M.SC/MBA SECOND SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN JUNE, 2021**  
P R O G R A M M E

**DATE OF COMMENCEMENT: 21.06.2021**

**TIME: 1.30 pm to 3.00 pm** [Additional 20(Twenty) minutes for uploading the Answer scripts]

DATE	METALLURGY (Surface Engg)	METALLURGY (I& S Tech)	MINING ENGINEERING	Geoinformatics	Biomedical Engineering	Safety and OH
21.06.2021	MM5201 Manufacturing Processes	MM5201 Manufacturing Processes	MN 5201 Advanced Mine Planning and Design	MN5207 Digital Image processing	HC5201 Nano and Micro-fabrication Techniques	
22.06.2021	MM5202 Design and Selection of Materials	MM5202 Design and Selection of Materials	MN 5202 Material Handling and Transport	MN5206 Advanced Geographical InformationSystem	HC5202 Data Analytics and Soft Computing	HC5212 Safety in Operations-II
23.06.2021	MM5203 Defects in Materials	MM5203 Defects in Materials	MN 5203 Environmental Management and Control in Mines	MN5208 Geostatistics and Web GIS	HC5203 Implant Biomaterials and Medical Device Designing	HC5213 Safety Rules and Regulations
24.06.2021	MM5221 Surface Degradation and Protection	MM5223 Advanced Ferrous Materials	MN 5221 Resource Evaluation and Geostatistics	MN5225 GIS & RS Application to natural resources	HC5221 Medical Image and Signal Processing HC5222 Tissue Engineering and Mechanobiology HC5223 Bioinformatics, Drug Design and Functional Genomics	HC5226 Behavioural Safety
26.06.2021						HC5211 Industrial Hygiene and Occupational Health

  
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**M.TECH/MOP/M.SC/MBA SECOND SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN JUNE, 2021**  
P R O G R A M M E

**DATE OF COMMENCEMENT: 21.06.2021**

**TIME: 4.00 pm to 5.30 pm** [Additional 20(Twenty) minutes for uploading the Answer scripts]

DATE	IT	ETC (CE& SP)	ETC (MW Comm)	ETC (M.ETC&VLSI)	CSE	Materials Engineering	Green Energy
21.06.2021	IT 5201 Advanced Database Management System	ET5201 Information Theory and Coding	ET5204 Microwave Integrated Circuits	ET5207 Digital VLSI Design	CS 5201 Advanced Operating Systems	MT5201 Ceramic Materials	GS -5201 Instrumentation and Control in Energy Systems
22.06.2021	IT 5202 Network and Information Security	ET5202 Digital Voice and Picture Communication	ET5205 Advanced wave propagation and Electromagnetic Metamaterials	ET5210 Low Power VLSI Design	CS 5205 Advanced Database Management System	MT5202 Composite Materials	GS -5202 Fuel Cells, Hydrogen Energy and Energy Storage
23.06.2021	IT 5203 Internet and Distributed Computing	ET5203 Wireless Networks	ET5206 Radar Engineering	ET5211 VLSI Physical Design	CS 5209 Advanced Networking	MT5203 Polymeric Materials	GS -5203 Smart Microgrid Systems: Design and Performance
24.06.2021	(IT 5222) Mobile Computing	Computer Networks (ET5221)  Detection and Estimation Theory (ET5223)	Computer Networks (ET5221)  RF IC and RF MEMS (ET5224)	Computer Networks (ET5221)  RF IC and RF MEMS (ET5224)	Graph Algorithms (CS 5226)	MT5221 Electronic Materials	GS -5221 Energy – Policy, Planning and Management GS-5222 Wind Energy Technology: Design and Performance GS-5223 Small Hydro, geothermal and Ocean Energy GS -5224 Advanced Solar Cell Concepts and Related Technology
26.06.2021	(IT 5225) Machine Learning						



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**M.TECH/MOP/M.SC./MBA SECOND SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN JUNE, 2021**  
P R O G R A M M E

**DATE OF COMMENCEMENT: 21.06.2021**

**TIME: 11.00 am to 12.30 pm** [Additional 20(Twenty) minutes for uploading the Answer scripts]

<b>25.06.2021</b>	Advanced Optimization and its Applications (MA5261) Artificial Intelligence for Robotics (MC5262) Bio-Materials (MT5261) Biomedical Materials and Devices (MM5263) Biotechniques for industrial applications (HC5264) CAD Algorithms for VLSI (IT 5261) Data Mining and Knowledge Discovery (CS 5261) Digital image Processing of Remote Sensing Data (MN5262) Energy Informatics (EE5261) Entrepreneurship and Human Resource Management (CT5261) FPGA system design (VL5262)
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**M.TECH/MOP/M.SC./MBA SECOND SEMESTER MID SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN JUNE, 2021**  
P R O G R A M M E

**DATE OF COMMENCEMENT: 21.06.2021**

**TIME: 1.30 pm to 3.00 pm** [Additional 20(Twenty) minutes for uploading the Answer scripts]

<b>25.06.2021</b>	Industrial Robotics (ME 5261) INDUSTRY 4.0 (MC5261) Life through ages 1. (ES 5261) Nanostructures and Nanomaterials (MM5261) Natural resources and energy 2. (ES 5262) Optoelectronics and Photonics (ET5261) Power supplies for Electrical Equipment (EE5262) Renewable Energy Project Management and Economics (GS 5261) Smart City Planning (AP6261) Spectroscopy for Chemical Analysis (CH5261) Free Surface Flow(AM5263)
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INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR  
M.SC & MBA FOURTH SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN JUNE, 2021

PROGRAMME

DATE OF COMMENCEMENT: 21.06.2021

TIME: 4.00 pm to 5.30 pm [Additional 20 (Twenty) minutes for uploading the Answer scripts]

DATE	Chemistry(4 <sup>th</sup> )	Applied Mathematics(4 <sup>th</sup> )	Physics(4 <sup>th</sup> )	Applied Geology (4 <sup>th</sup> )	Food Processing & Nutrition Sciences(4 <sup>th</sup> )	MBA(4 <sup>th</sup> )
21.06.2021	CH6201Molecular quantum mechanics and Statistical mechanics	MA6201Electrodynamics and Classical Mechanics	PH6201 Statistical Mechanics	ES6201 Palaeontology& Mass Extinction	CT6201 Food Industry Effluents and Waste Treatments	MS6201 Strategic Management
22.06.2021	CH6202Chemistry of f-block elements , inorganic photochemistry, clusters and crystallography					MS6223Advertising, Sales and Distribution Management
23.06.2021	CH6203 Advanced methods in organic synthesis					MS6224Advanced Marketing Management
24.06.2021						MS6225Advanced Human Resource Management
25.06.2021	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	ES6222 Geomorphology	CT6224Process Modeling and Simulation	MS6226 Corporate Human Resource Planning and HRD Audit MS6227Technology Management
26.06.2021						MS6228Service Operations Management

  
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INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR


DUAL DEGREE EIGHTH SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN JUNE, 2021

PROGRAMME

DATE OF COMMENCEMENT: 21.06.2021

TIME: 1.30 pm to 3.00 pm [Additional 20(Twenty) minutes for uploading the Answer scripts]

DATE	CE 8 <sup>TH</sup> SEM (Struc. Engg)	CE 8 <sup>TH</sup> SEM (Trans. Engg)	CE 8 <sup>TH</sup> SEM (W.R. Engg)	EE 8 <sup>TH</sup> SEM [11 am TO 12.30 pm] [Additional 20(Twenty) minutes for uploading the Answer scripts]
21.06.2021	CE5201 Advanced Structural Mechanics	CE5207 Pavement Engineering II	CE5213 Water Resources Planning and Management	EE8D04 Advanced Electrical Drives
22.06.2021	CE5202 Structural Dynamics	CE5208 Traffic System Design and Management	CE5214 Ground Water Hydrology and Water Resources Development	EE8D12 Special Topics in Power Electronics
23.06.2021	CE 5221 Reliability Based Analysis and Design	CE5239 Intelligent Transportation Systems	CE5254 Storm water Management	EE8D08 Selected Machines for Electric Vehicle and Wind Power Applications

  
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DUAL DEGREE TENTH SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN JUNE, 2021

PROGRAMME

DATE OF COMMENCEMENT: 21.06.2021

TIME: 1.30 pm to 3.00 pm [Additional 20(Twenty) minutes for uploading the Answer scripts]

DATE	CE 10TH SEM (Struc Engg)	CE 10TH SEM (Env Engg)	ME 10 <sup>TH</sup> SEM (Thermal Engineering)	ME 10 <sup>TH</sup> SEM (Manufacturing Science)
21.06.2021				
22.06.2021				
23.06.2021		CE5245 Process and Hydraulic Design of Water and Wastewater Systems		
24.06.2021	CE5203 Design and Behavior of Metal Structures		ME 1001D Solar Thermal Engineering	ME1016D Industrial Automation

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