



**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. 1889/Exam

Date: February 09, 2021

## **NOTICE**

This is for information to all concerned that the End-Semester Examinations for PG 1<sup>st</sup>, PG 3<sup>rd</sup>(M.Sc/MoP/MBA Courses), DD 7<sup>th</sup> & 9<sup>th</sup> Semester Courses (For the subject(s) common with PG 1<sup>st</sup> semester and also for the subject(s) that has been offered particularly for DD Courses) shall commence from February 18, 2021 and will continue till February 24, 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 16.02.2021. If any student fails to receive the links of any paper by 17.02.2021 morning, he/she shall send an email from his/her G-Suite ID to Head of the parent department with a copy to Assistant Registrar (Academic) [arssb@iiests.ac.in]. If any discrepancy found by any of the students, he/she shall bring it to the notice of the Assistant Registrar (Academic) by 17.02.2021.
- 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 copying 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. 1889/1(9) Exam

Date: February 09, 2021

Copy forwarded for information and necessary action to:

1. PS to the Director
2. All Deans
3. All Heads of the Departments/Schools/Centers
4. The Chairman- SUGC
5. The Professor-In-Charge(Examinations)
6. The Registrar
7. The Faculty-In-Charge-ERP Cell
8. The Student Senate
9. 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 FIRST SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN FEBRUARY, 2021  
PROGRAMME**

**DATE OF COMMENCEMENT: 18.02.2021**

**TIME: 10.00 am to 11.30 am** [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)
18.02.2021	CH5101 Quantum Mechanics and Molecular Spectroscopy	MA5101 Mathematical Analysis	PH5101 Mathematical Methods of Physics	ES5101 Igneous Petrology & Phase Equilibria	CT5101 Basics of Food and Nutritional Science	MS5101 Principles of Management and Organisational Behaviour	AP6101 Planning Theory	AM5101 Theory of Elasticity
19.02.2021	CH5102 Transition metal chemistry: Structure-bonding correlation, Magnetic properties and Bioinorganic chemistry	MA5102 Complex Analysis and Numerical Analysis	PH5102 Classical Mechanics	ES5102 Mineralogy & Geochemistry	CT5102 Microbiology of Food	MS5102 Managerial Economics	AP6102 Transportation Planning	AM5102 Theory of Vibration
20.01.2021						MS5105 Marketing Management-I		
22.02.2021	CH5103 Stereochemistry, Reaction mechanism and Heterocyclic chemistry	MA5103 Linear Algebra and Abstract Algebra	PH5103 Quantum Mechanics-I	ES5103 Structural Geology & Tectonics	CT5103 Food Chemistry and Analysis	MS5103 Quantitative Methods in Management	AP6103 Infrastructure, Network and Services	AM5103 Finite Element Method in Solid Mechanics
23.02.2021	CH5121 Group theory and application of spectroscopy	MA5121 Computational Techniques and Programming MA5122 Probability and Statistical Methods (Some Selected Topics)	PH5121 Gravitation and Astrophysics PH5122 Interaction of Radiation with Matters: Detection of Charged and Neutral Particles PH5123 Physics of Semiconductor Devices PH5124 Laser, Fiber Optics and their Applications	ES5122 Engineering Geology	CT5121 Nutritional Biochemistry CT5122 Nutrition and Dietetics	MS5104 Managerial Accounting	AP6104 Statistical Methods and Planning Techniques	AM5121 Continuum Mechanics  AM5123 Biomechanics
24.02.2021						MS5106 IT Management	AP6121 Socio-Economic Basis of Planning AP6122 Disaster Mitig. Planning	

*N. Lakshayya*

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M.TECH/MOP/M.SC/MBA FIRST SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN FEBRUARY, 2021  
PROGRAMME

DATE OF COMMENCEMENT: 18.02.2021

TIME: 10.00 am to 11.30 am [Additional 20(Twenty) minutes for uploading the Answer scripts]

DATE	VLSI Design	Mechatronics	EE (CSI)	EE (PES)	EE (PEMD)	Applied Mechanics (MoF)
18.02.2021	VL5101 Semiconductor Devices and Modeling	MC5101 Mechatronics System Design	EE5101 Modeling and Control of Physical Systems	EE5104 Advanced Power System Analysis	EE5101 Modeling and Control of Physical Systems	AM5106 Viscous Fluid Flow
19.02.2021	VL5102 Analog VLSI Circuits	MC5102 Embedded System Application	EE5102 Theory of Discrete and Digital Systems	EE5105 Power System Operation and Control	EE5107 Advanced Power Electronics	AM5107 Convective Heat Transfer
22.02.2021	VL5103 Digital VLSI Circuits	MC5103 Advanced Control Systems	EE5103 Advanced Process Control & Instrumentation	EE5106 Power Transmission and Power Quality	EE5108 Generalized Theory of Electrical Machines	AM5108 Methods in Computational Fluid Dynamics
23.02.2021	VL5121 Advanced System Architecture	MC5121 Fundamentals of Electronics Engineering MC5122 Fundamentals of Mechanical Engineering	EE5121 Advanced Microcontroller Technology EE5122 Advanced Computational Methods in EE EE5123 Application of Soft Computing Techniques in EE	EE5121 Advanced Microcontroller Technology EE5122 Advanced Computational Methods in EE EE5123 Application of Soft Computing Techniques in EE	EE5121 Advanced Microcontroller Technology EE5122 Advanced Computational Methods in EE EE5123 Application of Soft Computing Techniques in EE	AM5126 Turbo Machineries AM5127 Theory of Hydraulic Models

*M. K. Chakraborty*

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M.TECH/MOP/M.SC/MBA FIRST SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN FEBRUARY, 2021  
PROGRAMME

DATE OF COMMENCEMENT: 18.02.2021

TIME: 1.00 pm to 2.30 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.)
18.02.2021	CE5110 Chemistry for Environmental Engineering	CE5104 Advanced Soil Mechanics	CE5101 Advanced Solid Mechanics	CE5113 Advanced Hydrology and Stochastic Analysis	CE5107 Pavement Engineering I	ME5101 Advanced Engineering Thermodynamics	ME5107 Mechanical Vibration	ME5111 Advanced Theory of Metal Cutting
19.02.2021	CE5111 Biological Processes in Wastewater Treatment	CE5105 Foundation Engineering	CE5102 Computational Methods in Structural Analysis	CE5114 Applied Hydrodynamics and Numerical Modeling	CE5108 Traffic System Analysis	ME5102 Viscous Flow Theory	ME5106 Advanced Solid Mechanics	ME5112 Non-traditional Machining
22.02.2021	CE5145 Rural Water Supply and Sanitation	CE5129 Ground improvement Techniques and applications CE5132 Soil Exploration and Geo- Instrumentation	CE5121 Structural Optimization CE5122 Pre-stressed Concrete Structures	CE5154 Advanced Hydraulic Structures	CE5137 Geometric Design and Road Safety	ME5103 Internal Combustion Engine	ME5108 Engineering Tribology	ME5113 Advanced Material Processing Technology
23.02.2021	CE5112 Physico-Chemical Processes in Water and Wastewater Treatment	CE5106 Dynamics of Soils and Machine Foundations	CE5103 Design of special reinforced Concrete Structures	CE5115 Water Resources Management with Remote Sensing, GIS and Spatial Statistics	CE5109 Urban Transportation Planning	ME 5121 Combustion Science and Technology	ME 5134 Finite Element Methods	ME5142 Design of Production Systems

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

DATE OF COMMENCEMENT: 18.02.2021

TIME: 1.00 pm to 2.30 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
18.02.2021	MM5101 Materials Technology	MM5101 Materials Technology	MN5101 Economics of the Mineral Industry	MN5108 Fundamentals of Geographical Information System	HC5101 Biomedical Imaging and Optics	HC5104 Statistics and Accident Analysis
19.02.2021	MM5102 Advanced Characterization of Materials	MM5102 Advanced Characterization of Materials	MN5102 Subsurface Rock Engineering and Tunneling	MN5109 Fundamentals of Remote Sensing	HC5102 Fundamentals of Biomaterials	HC5105 Safety Procedures and Management
22.02.2021	MM5103 Advanced Thermodynamics and Kinetics	MM5103 Advanced Thermodynamics and Kinetics	MN5103 Mine System Analysis and Design	MN5110 Fundamentals of Cartography, Geodesy and GNSS	HC5103 Cellular and Systems Physiology	HC5106 Hazard Identification and Risk Analysis
23.02.2021	MM5121 Surface Treatment and Modification	MM5123 Advanced Iron and Steel Making	MN5104 Rock Slope Engineering	MN5123 Basic Geographic Concepts	HC5121 Biomedical Sensors & Instrumentation	HC5123 Safety in Operations- I

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M.TECH/MOP/M.SC/MBA FIRST SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN FEBRUARY, 2021  
PROGRAMME

DATE OF COMMENCEMENT: 18.02.2021

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
18.02.2021	IT5101 Algorithms	ET5101 Advanced Digital Communication	ET5104 Computational Electromagnetics	ET5107 Advanced Semiconductor Devices	CS5102 Principles of Programming Languages	MT5101 Introduction to Materials	GS5101 Renewable Energy Sources and Materials
19.02.2021	IT5102 Advanced Computer Architecture	ET5102 Advanced Digital Signal Processing	ET5105 Microwave Devices and Circuits	ET5108 Analog VLSI Design	CS5105 Logics for Computer Science	MT5102 Advanced Materials Characterization	GS5102 Solar Cells and Photovoltaic Technologies
22.02.2021	IT5103 Advanced Communication Systems	ET5103 Probability and Random Processes for Signal Processing	ET5106 Advanced Antenna Engineering	ET5110 VLSI Fabrication Technology	CS5109 Advanced Computer Architecture	MT5103 Metallic Materials	GS5103 Energy from Wind and Biomass
23.02.2021	IT5125 Information and Coding Theory	Optical Communication and Networking(ET5121)  Electromagnetic Interference and Compatibility (ET5122)	Optical Communication and Networking (ET5121)  Electromagnetic Interference and Compatibility (ET5122)	Optical Communication and Networking (ET5121)	CS5127 Cryptography and Network Security	MT5121 Low- dimensional Materials	GS5121 Solar Photovoltaic Power Plants: Design and performance

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M.TECH/MOP/M.SC/MBA FIRST SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN FEBRUARY, 2021  
PROGRAMME

DATE OF COMMENCEMENT: 18.02.2021

TIME: 10.00 am to 11.30 am [Additional 20(Twenty) minutes for uploading the Answer scripts]

24.02.2021	Human Body Mechanics(AM5162) Soft Computing(CS5161) Climate Change and Human Settlements(AP6161) Fundamentals of Renewable Energy and its Impact on Environment(GS5161) Crystallography and X-ray diffraction(MT5161) Dynamical systems- I(PH5161) Technical and Research Writing for Engineers(HS5162) Introduction to General Management(MS5161) Mechatronics(AM5161)
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M.TECH/MOP/M.SC/MBA FIRST SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN FEBRUARY, 2021  
PROGRAMME

DATE OF COMMENCEMENT: 18.02.2021

TIME: 1.00 pm to 2.30 pm [Additional 20(Twenty) minutes for uploading the Answer scripts]

24.02.2021	Chemistry of Nanomaterial(CH5161) Electronic Communication Systems(ET5161) Discrete Mathematics(MA5161) Mechanical Behaviour of Engineering Materials(MM5161) Basics and applications of quantum mechanics(PH5162) Community Nutrition(CT5161) Climate Change Impact Analysis(CE5161) Logic Synthesis and Verification(VL5163) Product design and development(MC5161)
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OFFICE OF THE DEAN ACADEMIC  
 INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR  
 M.SC, MBA AND MOP THIRD SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN FEBRUARY, 2021  
 P R O G R A M M E

DATE OF COMMENCEMENT: 18.02.2021

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

DATE	Chemistry(3 <sup>rd</sup> )	Applied Mathematics(3 <sup>rd</sup> )	Physics(3 <sup>rd</sup> )	Applied Geology (3 <sup>rd</sup> )	Food Processing & Nutrition Sciences(3 <sup>rd</sup> )	MOP(3 <sup>rd</sup> )	MBA(3 <sup>rd</sup> )
18.02.2021	CH6101 Kinetics, Microscopic Dynamics and Fundamentals of Electrochemistry	MA6101 Continuum Mechanics	PH6101 Atomic and Molecular Physics	ES6101 GIS & Remote Sensing	CT6101 Food Safety and Quality Assessment	AP7101 Urban Governance and Finance	MS6101 Management Information Systems
19.02.2021	CH6102 Reaction mechanism and Spectroscopic Techniques in Inorganic Chemistry	MA6102 Operations Research and Integral Transforms	PH6102 Nuclear Physics	ES6102 Hydrogeology & Exploration Geophysics	CT6102 Unit Operation in Food Processing		MS6102 Entrepreneurship Management
22.02.2021	CH6103 Chemistry of Natural Product & Supramolecular Chemistry	MA6103 Functional Analysis and Integral Equations	PH6103 Solid State Physics	ES6103 Ore Geology & Fuel Geology	CT6103 Food Bio Technology		MS6123 International Marketing MS6127 Logistics and Supply Chain Management
23.02.2021							MS6124 Consumer Behavior and Marketing Research MS6128 Quality Management Systems

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**DUAL DEGREE NINTH SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN FEBRUARY, 2021**

PROGRAMME

**DATE OF COMMENCEMENT: 18.02.2021**

**TIME: 1.00 pm to 2.30 pm** [Additional 20(Twenty) minutes for uploading the Answer scripts]

DATE	CE (Env Engg)	CE (Struc. Engg)	CE (Trans. Engg)	CE (W.R. Engg)	ME (Thermal Engg)	ME (Machine Des)	ME (Manufac. Sc)	IT
18.02.2021	CE5110 Chemistry for Environmental Engineering					ME913D Mechanical Vibration		IT921/1 Complex Systems and Cellular Automata
19.02.2021				CE5114 Applied Hydrodynamics and Numerical Modeling	ME902D Viscous Flow Theory		ME916D Industrial Engineering	IT922/4 Multi-core Architectures Systems
22.02.2021	CE5145 Rural Water Supply and Sanitation	CE5121 Structural Optimization	CE5137 Geometric Design and Road Safety	CE5154 Advanced Hydraulic Structures				IT924/3 Mobile Computing
23.02.2021		CE5103 Design of special reinforced Concrete Structures	CE5109 Urban Transportation Planning		ME 907D Combustion Science and Technology	ME 929D Finite Element Methods	ME918D Design of Production Systems	IT923/1 Human Computer Interaction

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**DUAL DEGREE SEVENTH AND NINTH SEMESTER END SEMESTER EXAMINATION FOR THE SESSION 2020 –2021 TO BE HELD IN FEBRUARY, 2021**

PROGRAMME

**DATE OF COMMENCEMENT: 18.02.2021**

**TIME: 1.00 pm to 2.30 pm** [Additional 20(Twenty) minutes for uploading the Answer scripts]

DATE	CE 7 <sup>TH</sup> SEM (Struc Engg)	CE 7 <sup>TH</sup> SEM (Trans. Engg)	CE 7 <sup>TH</sup> SEM (W.R. Engg)	ETC 9 <sup>TH</sup> SEM	EE 7 <sup>TH</sup> SEM	EE 9 <sup>TH</sup> SEM
18.02.2021	CE5101 Advanced Solid Mechanics	CE5107 Pavement Engineering I	CE5113 Advanced Hydrology and Stochastic Analysis	ET901/2 Computational Electromagnetic <b>[4.00 pm to 5.30 pm]</b> [Additional 20(Twenty) minutes for uploading the Answer scripts]	EE704D/1 State Variable Analysis and Control	
19.02.2021	CE5102 Computational Methods in Structural Analysis	CE5108 Traffic System Analysis		ET902/2 Microwave Integrated Circuits	EE705D/3 Advanced Power Electronics ( <b>10am -11.30 am</b> ) [Additional 20(Twenty) minutes for uploading the Answer scripts]	
22.02.2021				ET903/2 Advanced Antenna Engineering <b>[4.00 pm to 5.30 pm]</b> [Additional 20(Twenty) minutes for uploading the Answer scripts]	EE706D/3 Generalized Theory of Electrical Machines ( <b>10am -11.30 am</b> ) [Additional 20(Twenty) minutes for uploading the Answer scripts]	EE9D07 Power Transmission and Power Quality ( <b>10am -11.30 am</b> ) [Additional 20(Twenty) minutes for uploading the Answer scripts]
23.02.2021			CE5115 Water Resources Management with Remote Sensing, GIS and Spatial Statistics			

  
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