



**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. 164/ACAD/2022

Date: December 01, 2022

**NOTICE**

**Sub: Undergraduate (B.Tech & B.Arch) 3<sup>rd</sup> Semester, Postgraduate M.Tech/MoP/M.Sc/MBA 1<sup>st</sup> Semester, DD 9<sup>th</sup> Semester & PhD Coursework End Semester Examinations, 2022 to be held in December 2022 in OFFLINE MODE.**

This is to inform that the Final Semester Examinations of Undergraduate (B.Tech & B.Arch) 3<sup>rd</sup> Semester, Postgraduate M.Tech/MoP/M.Sc/MBA 1<sup>st</sup> Semester, DD 9<sup>th</sup> Semester & PhD Coursework is scheduled to commence from 19<sup>th</sup> December 2022 and it will continue till 27<sup>th</sup> December 2022 in **OFFLINE MODE**. The detail programme of the said examinations is attached herewith.

The students are advised to bring the Student Identity Card/Enrollment Certificate in the examination venue. The Examination venue shall be communicated shortly.

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

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

No. 164/ACAD/1(08)/2022

Date: December 01, 2022

Copy forwarded for information and necessary action to:

1. Office of 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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OFFICE OF THE DEAN ACADEMIC

INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR


B.TECH THIRD SEMESTER END-TERM EXAMINATION FOR THE SESSION 2022 –2023 TO BE HELD IN DECEMBER 2022

PROGRAMME

**DATE OF COMMENCEMENT: 19.12.2022**

**TIME: 10.00 am to 1.00 pm**

| DATE       | CE                                 | ME                                      | MET   | MIN                                  | AE                             | EE  | ETC                        | CST                        | IT   |
|------------|------------------------------------|---|---|--------------------------------------|--------------------------------|---|----------------------------|----------------------------|--|
| 19.12.2022 | Mathematics – III MA2101           | Mathematics – III MA 2101               | Mathematics-III MA2101                        | Mathematics – III MA 2101            | Mathematics – III MA 2101      | Mathematics III MA 2101                       | Mathematics III MA2101     | Mathematics – III MA2101   | Mathematics – III MA2101                     |
| 20.12.2022 | Solid Mechanics AM2103.            | Strength of Materials AM 2101           | Metallurgical Thermodynamics MM2101           | Electro Technology in Mining EE2105  | Strength of Materials AM2101   | Classical Electrodynamics EE2103              | Electronic Devices ET2103  | Discrete Structures CS2101 | Data Structure and Algorithms IT2101         |
| 21.12.2022 | Hydraulics AM2104                  | Dynamics AM 2102                        | Transport Phenomena and Rate Processes MM2102 | Exploration and Shaft Sinking MN2102 | Dynamics AM2102                | Electrical Machines I EE2102                  | Basic Electronics ET2102   | Digital Logic CS2102       | Digital Logic and Circuit Design IT2102      |
| 22.12.2022 | Surveying CE2101.                  | . Basic Thermodynamics ME2101           | Physical Metallurgy of Ferrous Alloys MM2103  | Mine Support MN2103                  | Fluid Dynamics AE 2101         | Electrical and Electronic Measurements EE2101 | Network Theory ET2101      | Data Structures CS2103     | Discrete Mathematics and Graph Theory IT2103 |
| 23.12.2022 | Civil Engineering Materials CE2102 | Numerical Methods in Engineering ME2102 | Physics of Materials MM2104                   | Drilling and Blasting MN2104         | Basic Flight Mechanics AE 2102 | Signals and Systems EE2104                    | Signals and Systems ET2104 | Signals and Systems CS2104 | Signals and Systems IT2104                   |

  
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B.ARCH 3<sup>RD</sup> SEMESTER END-TERM EXAMINATION FOR THE SESSION 2022 –2023 TO BE HELD IN DECEMBER 2022

P R O G R A M M E

**DATE OF COMMENCEMENT: 19.12.2022**

**TIME: 10.00 am to 1.00 pm**

| <b>DATE</b>       | <b>THIRD SEMESTER</b>  |
|-------------------|--|
| <b>19.12.2022</b> | CE2117<br>Structural Analysis  |
| <b>20.12.2022</b> | AP2101<br>Evolution of Architecture I  |
| <b>21.12.2022</b> | AP2103<br>Landscape Architecture and Site Planning   |
| <b>22.12.2022</b> | AP2104<br>Plumbing Services  |
| <b>22.12.2022</b> | CE2118<br>Surveying<br>[TIME: 2.00 pm to 5.00 pm]<br>[Venue : N-211, 1 <sup>st</sup> Floor Civil Engineering Department] |
| <b>23.12.2022</b> | AP2102<br>Materials and Methods of Construction III  |

  
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**M.TECH/MOP/M.SC/MBA FIRST SEMESTER END TERM EXAMINATION FOR THE SESSION 2022 –2023 TO BE HELD IN DECEMBER, 2022**

P R O G R A M M E

**DATE OF COMMENCEMENT: 19.12.2022**

**TIME: 2.00 pm to 5.00 pm**

| DATE       | Chemistry  | Applied Mathematics  | Physics   | Applied Geology                             | Food Processing & Nutrition Sciences          | MBA  | MOP  | Applied Mechanics (MoS)  |
|------------|--|--|---|---|---|--|--|--|
| 19.12.2022 | 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 Organizational Behavior    | AP6102 Transportation Planning                     | AM5101 Theory of Elasticity  |
| 20.12.2022 | 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                                    | AP6104 Statistical Methods and Planning Techniques |  |
| 21.12.2022 | CH5121 Group theory and application of spectroscopy  | MA5121 Computational Techniques and Programming<br>MA5122 Probability and Statistical Methods (Some Selected Topics) | PH5121 Gravitation and Astrophysics<br>PH5122 Interaction of Radiation with Matters: Detection of Charged and Neutral Particles<br>PH5123 Physics of Semiconductor Devices<br>PH5124 Laser, Fiber Optics and their Applications | ES5122 Engineering Geology                  | CT5121 Nutritional Biochemistry               | [MS5103 Quantitative Methods in Management                     | AP6103 Infrastructure, Network and Services        | AM5103 Finite Element Method in Solid Mechanics                      |
| 22.12.2022 | 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            | MS5104 Managerial Accounting                                   | AP6122 Disaster Mitigation Planning                | AM5102 Theory of Vibration   |
| 23.12.2022 |  |  |   |   |   | MS5105 Marketing Management-I                                  | AP6101 Planning Theory                             |  |
| 26.12.2022 |  |  |   |   |   | MS5106 IT Management<br>[Venue :Gallery-3, AE & AM Department] |  | AM5121 Continuum Mechanics<br>[Venue :Gallery-3, AE & AM Department] |

*N. Sankar*  
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**M.TECH/MOP/M.SC/MBA FIRST SEMESTER END TERM EXAMINATION FOR THE SESSION 2022 –2023 TO BE HELD IN DECEMBER, 2022**

P R O G R A M M E

**DATE OF COMMENCEMENT: 19.12.2022**

**TIME: 2.00 pm to 5.00 pm**

| DATE       | VLSI Design                                  | Mechatronics                                      | EE (CSI)   | EE (PES)   | EE (PEMD)  | Applied Mechanics (MoF)                           |
|------------|--|---|--|--|--|---|
| 19.12.2022 | VL5101<br>Semiconductor Devices and Modeling | MC5101<br>Mechatronics System Design              | EE5102<br>Theory of Discrete and Digital Systems   | EE5104<br>Advanced Power System Analysis   | EE5107<br>Advanced Power Electronics   | AM5106<br>Viscous Fluid Flow                      |
| 20.12.2022 | VL5102<br>Analog VLSI Circuits               | MC5102<br>Embedded System Application             | EE5101<br>Modeling and Control of Physical Systems   | EE5105<br>Power System Operation and Control   | EE5101<br>Modeling and Control of Physical Systems   | AM5107<br>Convective Heat Transfer                |
| 21.12.2022 | VL5103<br>Digital VLSI Circuits              | MC5103<br>Advanced Control Systems                | EE5103<br>Advanced Process Control & Instrumentation   | EE5106<br>Power Transmission and Power Quality   | EE5108<br>Generalized Theory of Electrical Machines  | AM5108<br>Methods in Computational Fluid Dynamics |
| 22.12.2022 | VL5121<br>Advanced System Architecture       | MC5121<br>Fundamentals of Electronics Engineering | EE5121<br>Advanced Microcontroller Technology<br>EE5123<br>Application of Soft Computing Techniques in EE<br>EE5124<br>Power Quality in Electrical systems | EE5121<br>Advanced Microcontroller Technology<br>EE5123<br>Application of Soft Computing Techniques in EE<br>EE5124<br>Power Quality in Electrical systems | EE5121<br>Advanced Microcontroller Technology<br>EE5123<br>Application of Soft Computing Techniques in EE<br>EE5124<br>Power Quality in Electrical systems | AM5126<br>Turbo Machinerics                       |

  
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PROGRAMME

DATE OF COMMENCEMENT: 19.12.2022

TIME: 2.00 pm to 5.00 pm

| DATE       | CE<br>(Env Engg)   | CE<br>(Geotech. Engg)   | CE<br>(Struc. Engg)   | CE<br>(W.R. Engg)  | CE<br>(Trans. Engg)  | ME<br>(Thermal Engg)                                | ME<br>(Machine Des)                   | ME<br>(Manufac. Sc.)                                       |
|------------|--|---|---|--|--|---|---------------------------------------|--|
| 19.12.2022 | CE5110<br>Chemistry for<br>Environmental<br>Engineering                            | CE5105<br>Foundation<br>Engineering                               | CE5101<br>Advanced Solid<br>Mechanics                               | CE5113<br>Advanced<br>Hydrology and<br>Stochastic<br>Analysis                                    | CE5107<br>Pavement<br>Engineering I                        | ME5101<br>Advanced<br>Engineering<br>Thermodynamics | ME5108<br>Engineering<br>Tribology    | ME5112<br>Non-traditional<br>Machining                     |
| 20.12.2022 | CE5111<br>Biological<br>Processes in<br>Wastewater<br>Treatment                    | CE5104<br>Advanced Soil<br>Mechanics                              | CE5102<br>Computational<br>Methods in<br>Structural<br>Analysis     | CE5114<br>Applied<br>Hydrodynamics<br>and Numerical<br>Modeling                                  | CE5108<br>Traffic System<br>Analysis                       | ME 5124<br>Fuel Cell<br>Technology                  | ME5107<br>Mechanical<br>Vibration     | ME5111<br>Advanced Theory<br>of Metal Cutting              |
| 21.12.2022 | CE5145<br>Management of<br>Rural Water<br>Supply and<br>Sanitation                 | CE5129<br>Ground<br>Improvement<br>Techniques and<br>Applications | CE5122<br>Pre-stressed<br>Concrete<br>Structures                    | CE5154<br>Advanced<br>Hydraulic<br>Structures  | CE5138<br>Optimization in<br>Transportation<br>Engineering | ME5103<br>Internal<br>Combustion<br>Engine          | ME5106<br>Advanced Solid<br>Mechanics | ME5113<br>Advanced<br>Material<br>Processing<br>Technology |
| 22.12.2022 | CE5112<br>Physico-Chemical<br>Processes in<br>Water and<br>Wastewater<br>Treatment | CE5106<br>Dynamics of Soils<br>and Machine<br>Foundations         | CE5103<br>Design of special<br>reinforced<br>Concrete<br>Structures | CE5115<br>Water Resources<br>Management with<br>Remote Sensing,<br>GIS and Spatial<br>Statistics | CE5109<br>Urban<br>Transportation<br>Planning              | ME5102<br>Viscous Flow<br>Theory                    | ME 5134<br>Finite Element<br>Methods  | ME5141<br>Industrial<br>Engineering                        |



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M.TECH/MOP/M.SC/MBA FIRST SEMESTER END TERM EXAMINATION FOR THE SESSION 2022 –2023 TO BE HELD IN DECEMBER, 2022  
PROGRAMME

DATE OF COMMENCEMENT: 19.12.2022

TIME: 2.00 pm to 5.00 pm

| DATE       | Metallurgy & Materials Engineering<br>(Materials Engineering) | Metallurgy & Materials Engineering<br>(Manufacturing Technology) | Geoinformatics  | Mining Engineering                               | Biomedical Engineering                         |
|------------|---|--|---|--|--|
| 19.12.2022 | MM5101<br>Fundamentals of Materials                           | MM5101<br>Fundamentals of Materials                              | MN5108<br>Fundamentals of Geographical Information System |  | HC5101<br>Biomedical Imaging and Optics        |
| 20.12.2022 | MM5102<br>Characterization of Materials                       | MM5102<br>Characterization of Materials                          | MN5109<br>Fundamentals of Remote Sensing                  |  | HC5102<br>Fundamentals of Biomaterials         |
| 21.12.2022 | MM5103<br>Thermodynamics and Kinetics of Materials            | MM5103<br>Thermodynamics and Kinetics of Materials               | MN5110<br>Fundamentals of Cartography, Geodesy and GNSS   |  | HC5103<br>Cellular and Systems Physiology      |
| 22.12.2022 | MM5121<br>Functional Materials                                | MM5125<br>Sustainable Materials Manufacturing                    | MN5123<br>Basic Geographic Concepts                       | Physical Ergonomics in Mineral Industries MN5105 | HC5121<br>Biomedical Sensors & Instrumentation |

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**M.TECH/MOP/M.SC/MBA FIRST SEMESTER END TERM EXAMINATION FOR THE SESSION 2022 –2023 TO BE HELD IN DECEMBER, 2022**  
PROGRAMME

**DATE OF COMMENCEMENT: 19.12.2022**

**TIME: 2.00 pm to 5.00 pm**

| DATE       | IT   | ETC<br>( CE & SP )   | ETC<br>( MW Comm)                           | ETC<br>( M.ETC&VLSI)                        | CSE                                      | Renewable Energy Science and<br>Technology                           |
|------------|--|--|---|---|--|--|
| 19.12.2022 | IT5101<br>Algorithms   | ET5101<br>Advanced Digital<br>Communication                            | ET5104<br>Computational<br>Electromagnetics | ET5107<br>Advanced<br>Semiconductor Devices | CS5101<br>Advanced Algorithms            | GS5101<br>Renewable Energy Sources and<br>Materials                  |
| 20.12.2022 | IT5102<br>Advanced Computer<br>Architecture  | ET5102<br>Advanced Digital<br>Signal Processing                        | ET5105<br>Microwave Devices<br>and Circuits | ET5108<br>Analog VLSI Design                | CS5105<br>Logics for Computer<br>Science | GS5102<br>Solar Cells and Photovoltaic<br>Technologies               |
| 21.12.2022 | IT5121<br>Soft computing<br>Techniques<br>IT5125<br>Information and<br>Coding Theory | ET5103<br>Probability and<br>Random Processes for<br>Signal Processing | ET5106<br>Advanced Antenna<br>Engineering   | ET5110<br>VLSI Fabrication<br>Technology    | CS5110<br>High Performance<br>Computing  | GS5121<br>Solar Photovoltaic Power Plants:<br>Design and performance |
| 22.12.2022 | IT5103<br>Advanced<br>Communication<br>Systems                                       | VLSI for Signal<br>Processing (ET5123)                                 | VLSI for Signal<br>Processing<br>(ET5123)   | VLSI for Signal<br>Processing (ET5123)      | CS5121<br>Machine Learning               | GS5103<br>Energy from Wind and Biomass                               |

  
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M.TECH/MOP/M.SC/MBA FIRST SEMESTER END TERM EXAMINATION FOR THE SESSION 2022 –2023 TO BE HELD IN DECEMBER, 2022  
PROGRAMME

DATE OF COMMENCEMENT: 19.12.2022

TIME: 2.00 pm to 5.00 pm

23.12.2022

Dynamical Systems-I, PH5161  
Basics and Applications of Quantum Mechanics, PH5162  
Climate Change and Human Settlements, AP6161  
Climate Change Impact Analysis, CE5161  
Cryptographic Techniques, IT 5163  
Renewable Energy ME5161  
Selection of Engineering Materials MM5162  
  
Discrete Mathematics, MA5161  
Electronic Communication Systems, ET5161  
Fundamentals of Renewable Energy and its Impact on Environment, GS - 5161  
Human Body Mechanics, AM5162  
Introduction to General Management, MS5161  
Mechanical Behavior of Engineering Materials, MM5161  
Soft Computing, CS 5161

  
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DUAL DEGREE NINTH SEMESTER END TERM EXAMINATION FOR THE SESSION 2022 –2023 TO BE HELD IN DECEMBER, 2022  
P R O G R A M M E

DATE OF COMMENCEMENT: 19.12.2022

TIME: 2.00 pm to 5.00 pm

| DATE       | CE<br>(Env Engg)  | CE<br>(Trans. Engg)                                  |
|------------|---|--|
| 19.12.2022 | CE5110<br>Chemistry for Environmental Engineering         |  |
| 20.12.2022 |   |  |
| 21.12.2022 | CE5145<br>Management of Rural Water Supply and Sanitation | CE5138<br>Optimization in Transportation Engineering |
| 22.12.2022 |   | CE5109<br>Urban Transportation Planning              |

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**PH.D. COURSEWORK END TERM EXAMINATION FOR THE SESSION 2022 –2023 TO BE HELD IN DECEMBER, 2022**

PROGRAMME

DATE OF COMMENCEMENT: 19.12.2022

TIME: 2.00 pm to 5.00 pm

| DATE       | CHEMISTRY<br>[Venue L102, Ground Floor Lecture Hall Complex]                | PHYSICS<br>[Venue L102, Ground Floor Lecture Hall Complex]  | HSS<br>[Venue L102, Ground Floor Lecture Hall Complex]     | HSS/MATHEMATICS<br>[Venue L102, Ground Floor Lecture Hall Complex] |
|------------|---|---|--|--|
| 19.12.2022 | Advanced Spectroscopic Techniques for Structure Determination <b>CH8101</b> | Fiber Optics in Linear and Non-linear Domain <b>PH8107</b><br>Advanced Nuclear Structure and Reactions <b>PH8108</b>          |  |  |
| 20.12.2022 | Synthetic Strategies in Organic & Inorganic Chemistry <b>CH8102</b>         | Computational Physics in Matlab <b>PH8104.</b><br>Advanced Experimental Techniques for Nuclear Physics Research <b>PH8111</b> |  |  |
| 21.12.2022 | Modern Concepts in Organic Synthesis <b>CH8105</b>                          | Quantum many body theory <b>PH8102</b>  |  |  |
| 22.12.2022 | Advanced Energy Materials <b>CH8103</b>                                     | Advanced quantum field Theory <b>PH8112</b><br>Preparation and characterization of Materials <b>PH8106</b>                    | Principles of Literary Theory and Criticism" <b>HU8121</b> |  |
| 27.12.2022 |   |   |  | Research Methodology & Technical Writing <b>MA8101</b>             |

**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 MA8101 shall be made in L102, GROUND FLOOR LECTURE HALL COMPLEX.**



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