

# NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR

## END-TERM EXAMINATION SCHEDULE

3RD SEMESTER B.TECH./INTEGRATED M.Sc./DUAL DEGREE **(REGULAR/BACKLOG)** EXAMINATION, 2021 - 2022

Duration of Online Examination : 2 Hrs. (120 minutes)

Time Slot of Online Examination : Between 9 AM to 12 NOON

DATE BRANCH	22/11/2021 (MONDAY)	23/11/2021 (TUESDAY)	24/11/2021 (WEDNESDAY)	25/11/2021 (THURSDAY)	26/11/2021 (FRIDAY)	27/11/2021 (SATURDAY)
BIO TECHNOLOGY	<b>BTC301:</b> Cell Biology and Genetics	<b>BTC302:</b> Microbiology and Bioprocess Technology	<b>BTC303:</b> Biochemistry and Enzyme Technology	<b>CHC331:</b> Process Calculation and Thermodynamics		<b>MAC331:</b> Mathematics - III
CHEMICAL ENGINEERING	<b>CHC301:</b> Process Calculations	<b>CHC302:</b> Chemical Engineering Thermodynamics	<b>CHC303:</b> Fluid Mechanics	<b>CYC331:</b> Chemistry - II		
CIVIL ENGINEERING	<b>CEC301:</b> Solid Mechanics	<b>CEC302:</b> Fluid Mechanics	<b>CEC303:</b> Building Construction and Concrete Technology	<b>ESC331:</b> Geology for Civil Engineers		
COMPUTER SCIENCE & ENGINEERING	<b>CSC301:</b> Discrete Mathematics	<b>CSC302:</b> Digital Logic Design	<b>CS303:</b> Data Structures and Algorithms	<b>PHC331:</b> Physics of Semiconductor Devices		
ELECTRONICS & COMMUNICATION ENGINEERING	<b>ECC301:</b> Network Analysis and Synthesis	<b>ECC302:</b> Electronic Devices and Circuits- I	<b>ECC303:</b> Signals and Systems	<b>PHC331:</b> Physics of Semiconductor Devices		
ELECTRICAL ENGINEERING	<b>EEC301:</b> Network Analysis and Synthesis	<b>EEC302:</b> Electrical and Electronics Measurement	<b>ECC331:</b> Analog Electronics	<b>PHC332:</b> Electromagnetic Field Theory		
MECHANICAL ENGINEERING	<b>MEC301:</b> Solid Mechanics	<b>MEC302:</b> Theory of Machines and Mechanisms	<b>MEC303:</b> Fluid Mechanics	<b>MEC304:</b> Engineering Thermodynamics	<b>PHC333:</b> Physics of Engineering Materials	
METALLURGY & MATERIALS ENGINEERING	<b>MMC301:</b> Metallurgical Thermodynamics and Kinetics	<b>MMC302:</b> Introduction of Metallurgy and Materials	<b>MMC303:</b> Non - Ferrous Process Metallurgy	<b>ESC332:</b> Economic Geology		
INTEGRATED M.Sc.	<b>CYC301:</b> State of Matter and Chemical Thermodynamics	<b>CYC302:</b> Atomic Structure and Chemical Bonding	<b>CYC303:</b> Stereochemistry and Basic Principle of Organic Chemistry	<b>PHC334:</b> Physics – II		

# NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR

## END-TERM EXAMINATION SCHEDULE

5th SEMESTER B.TECH./INTEGRATED M.Sc./DUAL DEGREE (**REGULAR/ BACKLOG**) EXAMINATION 2021 - 2022

Duration of Online Examination : 2 Hrs. (120 minutes)

Time Slot of Online Examination : Between 9 AM to 12 NOON

DATE	22/11/2021 (MONDAY)	23/11/2021 (TUESDAY)	24/11/2021 (WEDNESDAY)	25/11/2021 (THURSDAY)	26/11/2021 (FRIDAY)
BRANCH					
BIOTECHNOLOGY	<b>BTC501:</b> Biochemical Reaction Engineering and Bioreactor Design	<b>BTC502:</b> Cell and Tissue Culture	<b>BTC503:</b> Bioseparation and Biochemical Analysis	<b>CHC531:</b> Unit Operations of Chemical Engineering-II	<b>Open Elective-2</b> <b>BTO540:</b> Mineral Biotechnology <b>CEO540:</b> Numerical Methods in Engineering <b>CHO543:</b> Industrial Water Treatment <b>CSO542:</b> Database Management System <b>ECO541:</b> Probability Theory of Engineering Application <b>EEO540:</b> Measurement and Instrumentation <b>EEO541:</b> Fundamentals of Control Systems <b>MEO542:</b> Introduction to Fluid Mechanics <b>MMO541:</b> Basic Manufacturing Process <b>MAO541:</b> Mathematical Methods for Engineers <b>PHO541:</b> Thin Film Technology <b>HSO543:</b> Personality Development <b>HSO544:</b> Soft Skills
CHEMICAL ENGINEERING	<b>CHC501:</b> Chemical Reaction Engineering	<b>CHC502:</b> Mass Transfer- II	<b>CHC503:</b> Chemical Process Technology	<b>CHC504:</b> Process Control and Instrumentation	
CIVIL ENGINEERING	<b>CEC501:</b> Structural Analysis-II	<b>CEC502:</b> Design of Steel Structures	<b>CEC503:</b> Soil Mechanics	<b>CEC504:</b> Transportation Engineering	
COMPUTER SCIENCE AND ENGINEERING	<b>CSC501:</b> Operating Systems	<b>CSC502:</b> Database Management System	<b>CSC503:</b> Compiler Design	<b>CSC504:</b> Microcontroller based Systems	
ELECTRONICS & COMMUNICATION ENGINEERING	<b>ECC501:</b> Digital Communication	<b>ECC502:</b> Microwave Engineering	<b>ECC503:</b> Microprocessors and Microcontrollers	<b>ECC504:</b> Electronic Devices and Circuits-II	
ELECTRICAL ENGINEERING	<b>EEC501:</b> Electrical Machines - II	<b>EEC502:</b> Control Systems	<b>EEC503:</b> Power Systems - II	<b>EEC504:</b> Power Electronics	
MECHANICAL ENGINEERING	<b>MEC501:</b> Machining and Machine Tools	<b>MEC502:</b> IC Engine and Gas Turbines	<b>MEC503:</b> Machine Design	<b>MEC504:</b> Dynamics of Machines	
METALLURGY AND MATERIALS ENGINEERING	<b>MMC501:</b> Manufacturing Processes	<b>MMC502:</b> Heat Treatment of Materials	<b>MMC503:</b> Fundamentals of Plastic Deformation and Strengthening of Materials	<b>MMC504:</b> Iron Making	
INTEGRATED M.Sc.	<b>CYC501:</b> Fundamentals of Electrochemistry and Surface Chemistry	<b>CYC502:</b> Chemistry in Solution and Solid State Chemistry	<b>CYC503:</b> Chemistry of Heterocyclic Compounds and Natural Products	<b>CYC504:</b> Industrial Chemistry	

NIT DURGAPUR

Date : 13/11/2021

Dean (Academic Courses)

# NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR

## END-TERM EXAMINATION SCHEDULE

7th SEMESTER B.TECH. /INTEGRATED M.Sc./DUAL DEGREE (**REGULAR/ BACKLOG**) EXAMINATION, 2021 - 2022

Duration of Online Examination : 2 Hrs. (120 minutes)

Time Slot of Online Examination : Between 2 PM to 5 PM

DATE BRANCH	22/11/2021 (MONDAY)	23/11/2021 (TUESDAY)	24/11/2021 (WEDNESDAY)	25/11/2021 (THURSDAY)	26/11/2021 (FRIDAY)
BIOTECHNOLOGY	<b>BTE711:</b> Cancer Biology & Cell Signaling <b>BTE717:</b> Environmental Biotechnology <b>BTE720:</b> Nanotherapeutics	<b>BTE712:</b> Food Biotechnology <b>BTE718:</b> Proteomics and Protein Engineering <b>BTE723:</b> Stem Cell Biology <b>CSE716:</b> Data Analytics	<b>BTE716:</b> Structural Biology <b>BTE722:</b> Vaccine Technology <b>BTE724:</b> Application of Molecular Cloning	<b>Open Elective-3</b> <b>BT0740:</b> Genetic Engineering <b>CEO741:</b> Optimization in Engineering Design <b>CHO741:</b> Non-linear Dynamics <b>CSO741:</b> Software Engineering <b>CSO743:</b> Computer Networks <b>ECO740:</b> Biomedical Instrumentation <b>EEO740:</b> Concepts of Electrical Machines & Drives <b>MEO740:</b> 3D Printing Technology <b>HSO740:</b> Indian Writings in English <b>HSO741:</b> Development Economics and Sustainable Development	<b>MSC731:</b> Principles of Management
CHEMICAL ENGINEERING	<b>CHE710:</b> Energy Sources & Utilization <b>CHE714:</b> Process Safety in Chemical Industries	<b>CHE711:</b> Bioprocess and Bioreactor Engineering <b>CHE715:</b> Membrane Separation Processes	<b>CHE713:</b> Chemical Plant Design and Economics <b>CHE719:</b> Energy Management and Process Optimization in Chemical Industry		
CIVIL ENGINEERING	<b>CEE710:</b> Structural Dynamics <b>CEE714:</b> Structural Health Monitoring	<b>CEE721:</b> Environmental Pollution and Control	<b>CEE730:</b> Principles of Reliability <b>CEE732:</b> Pre-stressed Concrete		
COMPUTER SCIENCE & ENGINEERING	<b>CSE715:</b> Digital Image Processing <b>CSE717:</b> Biometrics <b>CSE718:</b> Cryptography and Network Security <b>CSE719:</b> Multimedia Information Systems	<b>CSE710:</b> Machine Learning <b>CSE714:</b> Data Warehousing and Data Mining <b>CSE716:</b> Data Analytics	<b>CSE711:</b> Graph Theory <b>CSE713:</b> Natural Language Processing <b>CSE721:</b> Computational Geometry <b>CSE726:</b> Incentive Mechanism in Computer Science		
ELECTRONICS & COMMUNICATION ENGINEERING	<b>ECE722:</b> Microwave Circuits & Techniques	<b>ECE724:</b> Biomedical Instrumentation	<b>ECE712:</b> Analog IC Design <b>CSE711:</b> Graph Theory <b>CSE713:</b> Natural Language Processing <b>CSE726:</b> Incentive Mechanism in Computer Science		
ELECTRICAL ENGINEERING	<b>EEE713:</b> Electrical Drives <b>EEE714:</b> Power System Planning, Operation and Control	<b>EEE715:</b> Embedded Systems <b>EEE716:</b> FACTS Device	<b>EEE710:</b> Renewable Energy Systems <b>EEE720:</b> Digital Signal Processing <b>CSE711:</b> Graph Theory <b>CSE713:</b> Natural Language Processing		
INFORMATION TECHNOLOGY	<b>CSE719:</b> Multimedia Information Systems	<b>CSE716:</b> Data Analytics	<b>CSE721:</b> Computational Geometry		
MECHANICAL ENGINEERING	<b>MEE710:</b> Finite Element Method <b>MEE711:</b> Computational Fluid Dynamics and Heat Transfer <b>MEE713:</b> Non-Conventional Machining <b>MEE725:</b> Introduction to Aerospace Engineering	<b>MEE714:</b> Advanced Welding Technology <b>MEE721:</b> Convective Heat and Mass Transfer <b>MEE722:</b> Additive Manufacturing	<b>MEE724:</b> Hydraulic Machines		
METALLURGICAL & MATERIALS ENGINEERING	<b>MME711:</b> Fatigue, Creep and Fracture <b>MME717:</b> Corrosion Engineering	<b>MME713:</b> Fuel, Furnace and Refractories <b>MME715:</b> Secondary Steel Making	<b>MME714:</b> Powder Metallurgy <b>MME719:</b> Stainless Steel; Technologies and Applications		
INTEGRATED M.Sc.	<b>CYC701:</b> Quantum Chemistry and Spectroscopy	<b>CYC702:</b> Inorganic Reaction Mechanisms and Magnetochemistry	<b>CYC703:</b> Concept of Organic Synthesis and Asymmetric Synthesis	<b>CYC704:</b> Mathematical and Computational Chemistry	

NIT DURGAPUR

Date : 13/11/2021

Dean (Academic Courses)