



# NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

END TERM EXAMINATION

Fourth Semester BTech / Integrated MSc / Dual Degree (Regular / Backlog) Examination, 2022-23

Duration of Examination: 3 Hours

Time Slot: 9:00 am to 12.00 Noon

Date	24.04.2023 (Monday)	25.04.2023 (Tuesday)	26.04.2023 (Wednesday)	27.04.2023 (Thursday)	28.04.2023 (Friday)	29.04.2023 (Saturday)	30.04.2023 (Sunday)
Branch							
Biotechnology	<b>BTC401:</b> Molecular Biology and Recombinant DNA Technology	<b>BTC402:</b> Immunology	<b>CHC431:</b> Unit Operation of Chemical Engineering - I	<b>CSC431:</b> Programming and Data Structure	---	<b>BTO441:</b> Food Biotechnology <b>CHO441:</b> Process Heat Transfer <b>CEO440:</b> Introduction to Earthquake Engineering <b>CSO441:</b> Data Structures and Algorithms <b>ECO441:</b> Communication Engineering <b>EEO440:</b> Fundamental of Power System; <b>EEO443:</b> Network Theory <b>MAO441:</b> Discrete Mathematical Structures <b>PHO441:</b> Quantitative Biology	<b>CSO443:</b> Digital Computer Design <b>ECO841:</b> Signal Processing (MINOR only)
Chemical Engineering	<b>CHC401:</b> Heat Transfer	<b>CHC402:</b> Mechanical Operation	<b>CHC403:</b> Mass Transfer- I	<b>MEC432:</b> Mechanical Design of Equipment and Components	---		
Civil Engineering	<b>CEC401:</b> Structural Analysis-I	<b>CEC402:</b> Design of Concrete Structures	<b>CEC403:</b> Surveying	<b>CSC432:</b> Data Structure	---		
Computer Science and Engineering	<b>CSC401:</b> Computer Organization and Architecture	<b>CSC402:</b> Theory of Computation	<b>CSC403:</b> Design and Analysis of Algorithms	<b>CSC404:</b> Object Oriented Programming	<b>CSC405:</b> Signals and Systems		
Electronics and Communication Engineering	<b>ECC401:</b> Analog Communication	--	<b>ECC403:</b> Electromagnetic Theory and Transmission Lines	<b>EEC431:</b> Control Systems	<b>ECC402:</b> Digital Circuits and Systems		
Electrical Engineering	<b>EEC401:</b> Power Systems - I	<b>EEC402:</b> Electrical Machines - I	<b>EEC403:</b> Digital Electronics	<b>MEC431:</b> Fluid and Thermal Engineering	---		
Mechanical Engineering	<b>MEC401:</b> Design of Machine Element	<b>MEC402:</b> Casting, Forming and Welding	<b>MEC403:</b> Heat and Mass Transfer	<b>EEC432:</b> Electrical Machines	---		
Metallurgical and Materials Engineering	<b>MMC401:</b> Transport Phenomena in Metallurgical Processes	<b>MMC402:</b> Phase Transformation and Phase Equilibria	<b>MMC403:</b> Materials Characterization	<b>CSC433:</b> Data Structures	---		
Integrated MSc	<b>CYC401:</b> Biochemistry: Structure and Function	<b>CYC402:</b> Phase-Equilibrium, Chemical Kinetics and Catalysis	<b>CYC403:</b> Chemistry of Elements and Radioactivity	<b>CYC404:</b> Organic Reaction Mechanism and Reactive Intermediates	---		

**Instructions:**

- (i) The examinees must carry their student identity cards in the examination hall.
- (ii) Possession of any type of electronic gadgets including cell phone, smart watch etc. are strictly prohibited in the examination hall.

Dean (Academic Courses)  
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Date: 17.03.2023

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