



Indian Institute of Technology Bhubaneswar

Autumn End-Semester Examination - 2020

Dual Degree (Semester-3)

Date / Day	B.Tech. in Civil Engineering and M.Tech. in Transportation Engineering	B.Tech. in Computer Science and Engineering and M.Tech. in Computer Science and Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Thermal Science and Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Mechanical Systems Design	B.Tech. in Electrical Engineering and M.Tech. in Power Electronics and Drives	B.Tech. in Mechanical Engineering and M.Tech. in Manufacturing Engineering	B.Tech. in Civil Engineering and M.Tech. in Environmental Engineering	B.Tech. in Civil Engineering and M.Tech. in Structural Engineering	B.Tech. in Metallurgical and Materials Engineering and M.Tech. in Metallurgical and Materials Engineering
10:30 AM - 12:30 PM (Forenoon)									
11-12-2020 Friday	Introduction to Material Science and Engineering	Discrete Structures	Introduction to Material Science and Engineering	Introduction to Material Science and Engineering	Introduction to Material Science and Engineering	Introduction to Material Science and Engineering	Introduction to Material Science and Engineering	Introduction to Material Science and Engineering	Introduction to Material Science and Engineering
12-12-2020 Saturday	-	Mathematics in India: Ancient to Modern Times	-	-	-	-	-	-	-
14-12-2020 Monday	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology
15-12-2020 Tuesday	Probability, Statistics & Stochastic Processes	-	Theory of Machines - I	Theory of Machines - I	Probability Statistics and Stochastic Processes	Theory of Machines - I	Probability, Statistics & Stochastic Processes	Probability, Statistics & Stochastic Processes	Numerical Methods
16-12-2020 Wednesday	Basic Electronics	Data Structures	Basic Electronics	Basic Electronics	-	Basic Electronics	Basic Electronics	Basic Electronics	Basic Electronics
17-12-2020 Thursday	Solid Mechanics	International Business/ Social Psychology/ Introduction to Economics/ Speaking and Presentation	Transform Calculus	Transform Calculus	Social Psychology/ Introduction to Economics/ International Business/ Speaking and Presentation	Transform Calculus	Solid Mechanics	Solid Mechanics	Social Psychology/ Speaking and Presentation/ International Business/ Odissi Dance-1/ Introduction to Economics
18-12-2020 Friday	Surveying	Introduction to Electronics	Fluid Mechanics	Fluid Mechanics	Introduction to Electronics	Fluid Mechanics	Surveying	Surveying	-
21-12-2020 Monday	-	Signals and Systems	-	-	Signals and Systems	-	-	-	Thermodynamics of Materials



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Autumn End-Semester Examination - 2020

Dual Degree (Semester-5)

Date / Day	B.Tech. in Computer Science and Engineering and M.Tech. in Computer Science and Engineering	B.Tech. in Civil Engineering and M.Tech. in Environmental Engineering	B.Tech. in Civil Engineering and M.Tech. in Transportation Engineering	B.Tech. in Civil Engineering and M.Tech. in Structural Engineering	B.Tech. in Metallurgical and Materials Engineering and M.Tech. in Metallurgical and Materials Engineering	B.Tech. in Electrical Engineering and M.Tech. in Power Electronics and Drives	B.Tech. in Mechanical Engineering and M.Tech. in Manufacturing Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Thermal Science and Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Mechanical Systems Design
10:30 AM - 12:30 PM (Forenoon)									
12-12-2020 Saturday	Mathematics in India: Ancient to Modern Times	Mathematics in India: Ancient to Modern Times	Mathematics in India: Ancient to Modern Times	Mathematics in India: Ancient to Modern Times	Mechanical properties and testing of materials	Mathematics in India: Ancient to Modern Times	-	-	-
19-12-2020 Saturday	Traffic Engineering and Management	-	-	-	Traffic Engineering and Management	Traffic Engineering and Management	Traffic Engineering and Management	Traffic Engineering and Management	Traffic Engineering and Management
2:30 PM - 4:30 PM (Afternoon)									
11-12-2020 Friday	-	-	-	-	Chemical metallurgy	Power Electronics	Heat Transfer	Heat Transfer	Heat Transfer
14-12-2020 Monday	Applied Thermodynamics/ Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics	Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics/ Applied Thermodynamics	Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics	Introduction to Ocean Dynamics/ Biomedical Systems/ Applied Thermodynamics	Applied Thermodynamics/ Biomedical Systems	Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics/ Applied Thermodynamics	Biomedical Systems/ Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics	Introduction to Ocean Dynamics/ Biomedical Systems/ Introduction to Machine Learning for Engineers	Introduction to Machine Learning for Engineers/ Biomedical Systems/ Introduction to Ocean Dynamics
15-12-2020 Tuesday	Control System Technology	Control System Technology	Control System Technology	Control System Technology	Control System Technology	Electrical Power Transmission and Distribution	-	-	-

16-12-2020 Wednesday	Environomics/ Introduction to Indian Philosophy/ General Studies and Current Affairs-II/ Global Communication/ Managerial Economics/ Applied Organizational Psychology	Environomics/ General Studies and Current Affairs-II/ Managerial Economics	Introduction to Indian Philosophy/ Environomics/ Applied Organizational Psychology/ General Studies and Current Affairs-II	Applied Organizational Psychology/ Introduction to Indian Philosophy/ General Studies and Current Affairs-II	Environomics/ Managerial Economics/ General Studies and Current Affairs-II/ Global Communication	General Studies and Current Affairs-II/ Environomics/ Managerial Economics/ Introduction to Indian Philosophy/ Applied Organizational Psychology/ Global Communication	Systems & Control	Systems & Control	Systems & Control
17-12-2020 Thursday	Formal Languages and Automata Theory	Design of Reinforced Concrete Structures	Design of Reinforced Concrete Structures	Design of Reinforced Concrete Structures	Corrosion and surface engineering	Measurement and Instrumentation	Design of Machine Elements	Design of Machine Elements	Design of Machine Elements
18-12-2020 Friday	Operating Systems	Soil Mechanics	Soil Mechanics	Soil Mechanics	Phase transformation of materials	Electromagnetic Field Theory	Casting, Welding and Forming	Casting, Welding and Forming	Casting, Welding and Forming
21-12-2020 Monday	Computer Organization and Architecture	Water Resources Engineering	Water Resources Engineering	Water Resources Engineering	Mineral processing	-	-	-	-



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Autumn End-Semester Examination - 2020

Dual Degree (Semester-7)

Date / Day	B.Tech. in Mechanical Engineering and M.Tech. in Mechanical Systems Design	B.Tech. in Metallurgical and Materials Engineering and M.Tech. in Metallurgical and Materials Engineering	B.Tech. in Electrical Engineering and M.Tech. in Power Electronics and Drives	B.Tech. in Mechanical Engineering and M.Tech. in Thermal Science and Engineering	B.Tech. in Civil Engineering and M.Tech. in Transportation Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Manufacturing Engineering	B.Tech. in Civil Engineering and M.Tech. in Structural Engineering	B.Tech. in Civil Engineering and M.Tech. in Environmental Engineering	B.Tech. in Computer Science and Engineering and M.Tech. in Computer Science and Engineering
10:30 AM - 12:30 PM (Forenoon)									
12-12-2020 Saturday	Mathematics in India: Ancient to Modern Times	Light metals and alloys	Renewable Energy Systems	-	-	-	-	-	-
14-12-2020 Monday	Advanced Manufacturing Processes	-	-	Advanced Manufacturing Processes	Pavement Material Characterization	Advanced Manufacturing Processes	-	-	-
15-12-2020 Tuesday	Banking Theory and Practice/ Ethics and Epics	-	Theory and Analysis of Electric Drives	Banking Theory and Practice/ Ethics and Epics	Emotional Intelligence/ Ethics and Epics/ Banking Theory and Practice	Banking Theory and Practice/ Ethics and Epics	Banking Theory and Practice/ Emotional Intelligence/ Ethics and Epics	Emotional Intelligence/ Ethics and Epics	-
16-12-2020 Wednesday	-	-	-	-	Urban Transportation Planning	-	-	Surface Hydrology	Software Testing and Verification
17-12-2020 Thursday	-	-	Digital Control Systems	-	-	-	-	-	-
18-12-2020 Friday	-	Materials Characterization	-	-	-	-	Bridge Engineering	Integrated Watershed Management	-
19-12-2020 Saturday	Advanced Solid Mechanics	Polymers and nanocomposites	-	Computational Methods in Thermal & Fluid Engineering	Infrastructure Maintenance and Rehabilitation	-	Infrastructure Maintenance and Rehabilitation	-	Machine Learning and Data Analytics-I
21-12-2020 Monday	Vibrations	-	-	Advanced Fluid Dynamics	-	Machining Science	-	-	-
2:30 PM - 4:30 PM (Afternoon)									

11-12-2020 Friday	Computer Aided Design and Manufacturing	-	-	Computer Aided Design and Manufacturing	Advanced Transportation Engineering	Computer Aided Design and Manufacturing	Structural Health Monitoring	Wastewater Treatment	Networks and Systems Security
14-12-2020 Monday	-	-	Switched Mode Power Conversion	-	-	-	Dynamics of Structures	-	Advanced Algorithms
15-12-2020 Tuesday	-	-	-	-	-	-	-	-	Compiler Design
17-12-2020 Thursday	-	Elements of Electroceramics	-	-	-	-	Advanced Structural Analysis	Water Treatment and Supply	-
18-12-2020 Friday	-	-	-	-	-	Advanced Manufacturing Processes-I	-	-	-



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Autumn End-Semester Examination - 2020
Dual Degree (Semester-9)

Date / Day	B.Tech. in Mechanical Engineering and M.Tech. in Thermal Science and Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Mechanical Systems Design	B.Tech. in Civil Engineering and M.Tech. in Transportation Engineering	B.Tech. in Civil Engineering and M.Tech. in Structural Engineering
10:30 AM - 12:30 PM (Forenoon)				
16-12-2020 Wednesday	Gas Turbine & Jet Propulsion	Finite Element Methods in Engineering	-	-
19-12-2020 Saturday	-	-	Infrastructure Maintenance and Rehabilitation	Infrastructure Maintenance and Rehabilitation
21-12-2020 Monday	-	-	-	Theory of Plates & Shells
2:30 PM - 4:30 PM (Afternoon)				
11-12-2020 Friday	-	-	-	Structural Health Monitoring
17-12-2020 Thursday	-	Operations Management	-	-
18-12-2020 Friday	Engineering Measurements	-	-	-



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Autumn End-Semester Examination - 2020

B.Tech. (Semester-3)

Date / Day	Electronics and Communication Engineering	Computer Science and Engineering	Mechanical Engineering	Metallurgical and Materials Engineering	Electrical Engineering	Civil Engineering
10:30 AM - 12:30 PM (Forenoon)						
11-12-2020 Friday	Introduction to Material Science and Engineering/ Digital Communication	Discrete Structures	Introduction to Material Science and Engineering	Introduction to Material Science and Engineering	Introduction to Material Science and Engineering	Introduction to Material Science and Engineering
12-12-2020 Saturday	Mathematics in India: Ancient to Modern Times	Mathematics in India: Ancient to Modern Times	-	-	Mathematics in India: Ancient to Modern Times	-
14-12-2020 Monday	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology
15-12-2020 Tuesday	Probability Statistics and Stochastic Processes	-	Theory of Machines - I	Numerical Methods	Probability Statistics and Stochastic Processes	Probability, Statistics & Stochastic Processes
16-12-2020 Wednesday	-	Data Structures	Basic Electronics	Basic Electronics	-	Basic Electronics
17-12-2020 Thursday	International Business/ Social Psychology/ Functional and Communicative Sanskrit/ Introduction to Economics	International Business/ Social Psychology/ Introduction to Economics/ Functional and Communicative Sanskrit/ Speaking and Presentation	Transform Calculus	Speaking and Presentation/ International Business/ Functional and Communicative Sanskrit/ Social Psychology/ Introduction to Economics/ Odissi Dance-1	Introduction to Economics/ Speaking and Presentation/ International Business/ Social Psychology/ Odissi Dance-1/ Functional and Communicative Sanskrit	Solid Mechanics
18-12-2020 Friday	Introduction to Electronics	Introduction to Electronics	Fluid Mechanics	-	Introduction to Electronics	Surveying
21-12-2020 Monday	Signals and Systems	Signals and Systems	-	Thermodynamics of Materials	Signals and Systems	-



Indian Institute of Technology Bhubaneswar

Autumn End-Semester Examination - 2020

B.Tech. (Semester-5)

Date / Day	Electronics and Communication Engineering	Civil Engineering	Metallurgical and Materials Engineering	Computer Science and Engineering	Electrical Engineering	Mechanical Engineering
10:30 AM - 12:30 PM (Forenoon)						
11-12-2020 Friday	Digital Communication	-	-	-	-	-
12-12-2020 Saturday	Mathematics in India: Ancient to Modern Times	Mathematics in India: Ancient to Modern Times	Mechanical properties and testing of materials	Mathematics in India: Ancient to Modern Times	Mathematics in India: Ancient to Modern Times	-
19-12-2020 Saturday	Traffic Engineering and Management	-	Traffic Engineering and Management	Traffic Engineering and Management	Traffic Engineering and Management	Traffic Engineering and Management
2:30 PM - 4:30 PM (Afternoon)						
11-12-2020 Friday	-	-	Chemical metallurgy	-	Power Electronics	Heat Transfer
14-12-2020 Monday	Applied Thermodynamics/ Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics	Introduction to Ocean Dynamics/ Applied Thermodynamics/ Biomedical Systems/ Introduction to Machine Learning for Engineers	Biomedical Systems/ Introduction to Ocean Dynamics/ Applied Thermodynamics	Biomedical Systems/ Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics/ Applied Thermodynamics	Biomedical Systems/ Introduction to Ocean Dynamics/ Applied Thermodynamics/ Introduction to Machine Learning for Engineers	Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics/ Biomedical Systems
15-12-2020 Tuesday	Electromagnetic waves and Radiating Systems	Control System Technology	Control System Technology	Control System Technology/ Compiler Design	Electrical Power Transmission and Distribution	-
16-12-2020 Wednesday	Environomics/ Applied Organizational Psychology/ General Studies and Current Affairs-II/ Introduction to Indian Philosophy/ Managerial Economics/ Global Communication	Global Communication/ General Studies and Current Affairs-II/ Managerial Economics/ Environomics/ Applied Organizational Psychology/ Introduction to Indian Philosophy	Environomics/ Introduction to Indian Philosophy/ Applied Organizational Psychology/ Managerial Economics/ General Studies and Current Affairs-II/ Global Communication	General Studies and Current Affairs-II/ Applied Organizational Psychology/ Environomics/ Global Communication/ Managerial Economics/ Introduction to Indian Philosophy	Managerial Economics/ Environomics/ Introduction to Indian Philosophy/ Applied Organizational Psychology/ General Studies and Current Affairs-II/ Global Communication	Systems & Control
17-12-2020 Thursday	Microprocessor and Microcontroller	Design of Reinforced Concrete Structures	Corrosion and surface engineering	Formal Languages and Automata Theory	Measurement and Instrumentation	Design of Machine Elements
18-12-2020 Friday	-	Soil Mechanics	Phase transformation of materials	Operating Systems	Electromagnetic Field Theory	Casting, Welding and Forming

21-12-2020 Monday	-	Water Resources Engineering	Mineral processing	Computer Organization and Architecture	-	-
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Indian Institute of Technology Bhubaneswar

Autumn End-Semester Examination - 2020

B.Tech. (Semester-7)

Date / Day	Electronics and Communication Engineering	Civil Engineering	Electrical Engineering	Mechanical Engineering	Metallurgical and Materials Engineering	Computer Science and Engineering
10:30 AM - 12:30 PM (Forenoon)						
11-12-2020 Friday	Communication Networks and Switching	Open Channel Flows	-	-	-	-
12-12-2020 Saturday	Optical Communication	Mathematics in India: Ancient to Modern Times	Renewable Energy Systems	Mathematics in India: Ancient to Modern Times	Light metals and alloys	-
14-12-2020 Monday	RF and Microwave Engineering	Pavement Material Characterization	-	Advanced Manufacturing Processes	-	-
15-12-2020 Tuesday	-	Emotional Intelligence/ Banking Theory and Practice/ Ethics and Epics	-	Banking Theory and Practice/ Ethics and Epics	-	-
16-12-2020 Wednesday	Software Testing and Verification/ Advanced Digital System Design	Surface Hydrology	Software Testing and Verification/ Advanced Digital System Design	Finite Element Methods in Engineering/ Gas Turbine & Jet Propulsion	-	Advanced Digital System Design/ Software Testing and Verification
17-12-2020 Thursday	-	-	Digital Control Systems	-	-	-
18-12-2020 Friday	Low Power VLSI Circuits & Systems	Bridge Engineering/ Integrated Watershed Management	Low Power VLSI Circuits & Systems	-	-	-
19-12-2020 Saturday	Machine Learning and Data Analytics- I	Infrastructure Maintenance and Rehabilitation	Machine Learning and Data Analytics- I	-	Polymers and nanocomposites	Machine Learning and Data Analytics- I
21-12-2020 Monday	Image and Video Processing	Theory of Plates & Shells/ Environmental Chemistry and Microbiology/ Design of Transportation Facilities and Safety	Image and Video Processing	-	Advanced Joining Processes/ Advanced Physical Metallurgy/ Materials in archaeology	Image and Video Processing
2:30 PM - 4:30 PM (Afternoon)						
11-12-2020 Friday	-	Wastewater Treatment/ Advanced Transportation Engineering/ Structural Health Monitoring	Electric Power Quality	Computer Aided Design and Manufacturing	Chaos in Dynamical Systems	Networks and Systems Security

14-12-2020 Monday	-	Dynamics of Structures/ Solid Waste Management	Switched Mode Power Conversion	-	-	Advanced Algorithms
15-12-2020 Tuesday	-	-	-	-	-	Compiler Design
17-12-2020 Thursday	Advanced Communication Engineering	Advanced Structural Analysis/ Applied Soil Mechanics	-	Operations Management	Elements of Electroceramics	-
18-12-2020 Friday	Statistical Signal Processing	-	Statistical Signal Processing	-	-	-



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Autumn End-Semester Examination - 2020

M.Tech. (Semester-1)

Date / Day	Water Resources Engineering	Climate Science and Technology	Power System Engineering	Manufacturing Engineering	Transportation Engineering	Electronics and Communication Engineering	Geotechnical Engineering	Power Electronics and Drives	Computer Science and Engineering	Structural Engineering	Mechanical Systems Design	Thermal Science and Engineering	Metallurgical and Materials Engineering	Environmental Engineering
10:30 AM - 12:30 PM (Forenoon)														
11-12-2020 Friday	Open Channel Flows	-	-	-	-	-	-	-	-	-	-	-	-	-
12-12-2020 Saturday	Mathematical Methods	Mathematical Methods	Mathematical Methods I/ Renewable and Distributed Energy Sources	Design and Analysis of Welded Structures	Mathematical Methods	Optical Communication/ Mathematical Methods I	Mathematical Methods	Mathematical Methods I/ Renewable and Distributed Energy Sources	Mathematical Methods I	Mathematical Methods	-	-	-	-
14-12-2020 Monday	-	-	-	-	Pavement Material Characterization	-	Pavement Material Characterization	-	-	-	-	-	-	-
15-12-2020 Tuesday	-	-	Theory and Analysis of Electric Drives	-	-	-	-	Theory and Analysis of Electric Drives	-	-	-	-	-	-
16-12-2020 Wednesday	Surface Hydrology	Surface Hydrology	Advanced Digital System Design	Finite Element Methods in Engineering	Urban Transportation Planning	Advanced Digital System Design	-	Advanced Digital System Design	Software Testing and Verification	-	Finite Element Methods in Engineering	Gas Turbine & Jet Propulsion	-	-
17-12-2020 Thursday	-	-	Power System Analysis and Operation	-	-	-	-	Power System Analysis and Operation	-	-	-	-	-	-
18-12-2020 Friday	Integrated Watershed Management	-	-	-	Bridge Engineering	Low Power VLSI Circuits & Systems	-	Low Power VLSI Circuits & Systems	-	Bridge Engineering	-	-	Materials Characterization	Integrated Watershed Management
19-12-2020 Saturday	-	Satellite Oceanography and Meteorology	-	Lasers in Manufacturing	Infrastructure Maintenance and Rehabilitation	Machine Learning and Data Analytics- I	Infrastructure Maintenance and Rehabilitation	-	Machine Learning and Data Analytics- I	Infrastructure Maintenance and Rehabilitation	Advanced Solid Mechanics	Computational Methods in Thermal & Fluid Engineering	Materials Processing	-
21-12-2020 Monday	-	-	-	Machining Science	Design of Transportation Facilities and Safety	Image and Video Processing	-	-	Image and Video Processing	Theory of Plates & Shells	Vibrations	Advanced Fluid Dynamics	Advanced Physical Metallurgy/ Advanced Joining Processes	Environmental Chemistry and Microbiology
2:30 PM - 4:30 PM (Afternoon)														
11-12-2020 Friday	-	Physics of Atmosphere and Ocean	Electric Power Quality	-	Structural Health Monitoring	Networks and Systems Security	-	Electric Power Quality	Networks and Systems Security	Structural Health Monitoring	Fatigue, Creep and Fracture	-	Chaos in Dynamical Systems	Wastewater Treatment



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Autumn End-Semester Examination - 2020

M.Sc. (Semester-1)

Date / Day	Chemistry	Geology	Physics	Atmosphere and Ocean Sciences	Mathematics
10:30 AM - 12:30 PM (Forenoon)					
12-12-2020 Saturday	Mathematics for Chemists	Computational Geosciences	Mathematical Physics	Modelling of Dynamical Processes of Ocean and Atmosphere	Discrete Mathematics
19-12-2020 Saturday	Introduction to Quantum Chemistry	Advanced Mineralogy & Crystallography	Classical Mechanics	Fundamental of Meteorology & Oceanography	-
2:30 PM - 4:30 PM (Afternoon)					
11-12-2020 Friday	-	-	-	Physics of Atmosphere & Ocean	-
14-12-2020 Monday	-	-	-	Dynamics of Atmosphere & Ocean	Probability and Statistics
15-12-2020 Tuesday	-	-	Electrodynamics I	-	Real Analysis
16-12-2020 Wednesday	Inorganic Chemistry- Structure, Principle and Reactivity	Understanding Earth System	Quantum Mechanics I	Atmospheric Chemistry and Aerosol	Computer Programming and Data Structures
18-12-2020 Friday	Concept of Organic Synthesis	Igneous and Metamorphic Petrogenesis	Introduction to Computational Methods	-	-
21-12-2020 Monday	-	Structural Geology	Electronics	Mathematical and Statistical Methods in Climate Science	Linear Algebra



Indian Institute of Technology Bhubaneswar

Autumn End-Semester Examination - 2020

M.Sc. (Semester-3)

Date / Day	Chemistry	Geology	Physics	Atmosphere and Ocean Sciences	Mathematics
10:30 AM - 12:30 PM (Forenoon)					
12-12-2020 Saturday	Solid State Chemistry	Ore Geology	Nuclear and Particle Physics	Atmospheric Diffusion, Air and Water Pollution	-
18-12-2020 Friday	-	-	Materials Characterization	-	-
19-12-2020 Saturday	Advanced Heterocyclic Chemistry	Heat and Mass Transfer in Earth System	Condensed Matter Physics	Heat and Mass Transfer in Earth System	Fluid Dynamics/ Integral Equations and Variational Methods
2:30 PM - 4:30 PM (Afternoon)					
11-12-2020 Friday	Analytical Chemistry	-	Quantum Field Theory	Satellite Oceanography	-
14-12-2020 Monday	Chemistry of Pharmaceutics	-	-	Objective Analysis and Data Assimilation	-
15-12-2020 Tuesday	Advanced Polymer Chemistry	Geothermal Energy	-	Geothermal Energy	Functional Analysis
16-12-2020 Wednesday	Structure and Function of Biomolecules	-	Non Equilibrium Phenomena in Physics	Micro Meteorology and Oceanography	Continuum Mechanics
17-12-2020 Thursday	-	-	-	-	Numerical Solution of Ordinary and Partial Differential Equations
18-12-2020 Friday	-	Borehole Geophysics	-	-	Algebraic Graph Theory
21-12-2020 Monday	Metal Complexes in Catalysis	Coal and Petroleum Geology	Accelerator based physics of solids	Basics of Fluid Dynamics	Optimization Techniques



Indian Institute of Technology Bhubaneswar

Autumn End-Semester Examination - 2020

Ph.D.

Date / Day	Electrical Engineering	Chemistry	Electronics and Communication Engineering	Mathematics	Transportation Engineering	Civil Engineering	Economics	Geotechnical Engineering	Structural Engineering	Infrastructure	English	SMMME	Physics	Computer Science and Engineering	ATMOSPHERE OCEAN SCIENCES	Environmental Engineering	Mechanical	Geology	Bioscience
10:30 AM - 12:30 PM (Forenoon)																			
12-12-2020 Saturday	Renewable and Distributed Energy Sources/ Mathematical Methods	Solid State Chemistry	Optical Communication/ Mathematical Methods	Mathematical Methods	Mathematical Methods	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14-12-2020 Monday	-	-	-	-	Pavement Material Characterization	Pavement Material Characterization	-	-	-	-	-	-	-	-	-	-	-	-	-
16-12-2020 Wednesday	-	-	-	-	-	-	Management of International Business	Surface Hydrology	Finite Element Methods in Engineering	Finite Element Methods in Engineering	Contemporary World Literature	-	-	-	-	-	-	-	-
17-12-2020 Thursday	Research Methodology and Data Analysis	Research Methodology and Data Analysis	-	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis	-	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis	Research Methodology and Data Analysis
18-12-2020 Friday	-	-	Low Power VLSI Circuits & Systems	-	-	-	-	-	-	-	-	Materials Characterization	Materials Characterization	-	-	-	-	-	-
19-12-2020 Saturday	Machine Learning and Data Analytics- I	Advanced Heterocyclic Chemistry	Machine Learning and Data Analytics- I	Integral Equations and Variational Methods	-	-	-	-	Infrastructure Maintenance and Rehabilitation	-	Introduction to Literature	-	-	Machine Learning and Data Analytics- I	Satellite Oceanography and Meteorology	-	Advanced Solid Mechanics/ Lasers in Manufacturing/ Machine Learning and Data Analytics- I/ Computational Methods in Thermal & Fluid Engineering	-	-
21-12-2020 Monday	-	-	-	-	-	-	-	-	Theory of Plates & Shells	-	-	Advanced Physical Metallurgy/ Advanced Joining Processes	-	-	-	-	Advanced Fluid Dynamics/ Machining Science	-	-
2:30 PM - 4:30 PM (Afternoon)																			
11-12-2020 Friday	Electric Power Quality	-	-	Chaos in Dynamical Systems	-	-	-	-	-	-	-	Chaos in Dynamical Systems	Chaos in Dynamical Systems/ Quantum Field Theory	Networks and Systems Security	Physics of Atmosphere and Ocean	Wastewater Treatment	Heat and Mass Transfer in Biological Systems/ Fatigue, Creep and Fracture	Physics of Atmosphere and Ocean	-
14-12-2020 Monday	Switched Mode Power Conversion	Chemistry of Pharmaceutics	-	-	-	-	-	-	-	Dynamics of Structures	-	Sensing and Actuation	-	-	Dynamics of Atmosphere and Ocean	-	-	-	Chemistry of Pharmaceutics
15-12-2020 Tuesday	Scientific and Technical Writing	Scientific and Technical Writing/ Advanced Polymer Chemistry	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	-	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing	Scientific and Technical Writing
16-12-2020 Wednesday	-	-	-	-	-	-	-	-	-	-	-	Advanced Thermodynamics and Kinetics	Non Equilibrium Phenomena in Physics	-	Atmospheric Chemistry & Aerosol	-	-	-	Structure and Function of Biomolecules

17-12-2020 Thursday	-	-	Advanced Communication Engineering	Numerical Solution of Ordinary and Partial Differential Equations	-	-	-	Applied Soil Mechanics	Advanced Structural Analysis	Advanced Structural Analysis	-	-	-	-	-	-	-	-	-
18-12-2020 Friday	Statistical Signal Processing	-	Statistical Signal Processing	Algebraic Graph Theory	-	-	-	Multihazard Design of Foundation	-	-	-	Advanced Manufacturing Processes-I	-	-	-	-	Engineering Measurements/ Mathematical Methods for Mechanical Engineers	Earth and Its Interior	-
21-12-2020 Monday	-	Metal Complexes in Catalysis	-	-	-	-	Special Areas of Environmental Economics	-	-	Mathematical and Statistical Methods in Earth System Science	Indian Writing in English (FICTION)	-	Accelerator based physics of solids	-	Mathematical and Statistical Methods in Earth System Science	Mathematical and Statistical Methods in Earth System Science	-	Mathematical and Statistical Methods in Earth System Science	-