



30-11-2022 Wednesday	Discrete Structures	-	-	-	-	-	-	-	-
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# Indian Institute of Technology Bhubaneswar

## Autumn End-Semester Examination - 2022

### Dual Degree ( Semester-5 )

Date / Day	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	B.Tech. in Computer Science and Engineering and M.Tech. in Computer Science and Engineering	B.Tech. in Electrical Engineering and M.Tech. in Power Electronics and Drives	B.Tech. in Civil Engineering and M.Tech. in Transportation Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Mechanical Systems Design	B.Tech. in Mechanical Engineering and M.Tech. in Thermal Science and Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Manufacturing Engineering
<b>09:30 AM - 12:30 PM (Forenoon)</b>									
22-11-2022 Tuesday	Water Resources Engineering	Water Resources Engineering	Chemical metallurgy	Computer Organization and Architecture	Power Electronics	Water Resources Engineering	-	-	-
23-11-2022 Wednesday	Soil Mechanics	Soil Mechanics	Corrosion and surface engineering	Operating Systems	Electrical Power Transmission and Distribution	Soil Mechanics	-	-	-
24-11-2022 Thursday	Dimensions of Creativity: Indian Writings in English/ Managerial Economics/ Applied Organizational Psychology/ Ethics and Leadership Skills for Technocrats/ Environomics	Applied Organizational Psychology/ Environomics/ Ethics and Leadership Skills for Technocrats/ Dimensions of Creativity: Indian Writings in English/ Managerial Economics	Dimensions of Creativity: Indian Writings in English/ Managerial Economics/ Applied Organizational Psychology/ Ethics and Leadership Skills for Technocrats	Environomics/ Dimensions of Creativity: Indian Writings in English/ Applied Organizational Psychology/ Managerial Economics	Applied Organizational Psychology/ Managerial Economics/ Ethics and Leadership Skills for Technocrats/ Environomics	Ethics and Leadership Skills for Technocrats/ Dimensions of Creativity: Indian Writings in English/ Applied Organizational Psychology/ Managerial Economics	-	-	-
25-11-2022 Friday	-	-	Phase transformation of materials	Formal Languages and Automata Theory	Electromagnetic Field Theory	-	-	-	-
26-11-2022 Saturday	Control System Technology/ Applied Thermodynamics	Control System Technology/ Applied Thermodynamics	Traffic Engineering and Management/ Applied Thermodynamics/ Control System Technology	Applied Thermodynamics/ Traffic Engineering and Management	Traffic Engineering and Management/ Applied Thermodynamics	Applied Thermodynamics/ Control System Technology	Traffic Engineering and Management	Traffic Engineering and Management	Traffic Engineering and Management

<b>28-11-2022</b> <b>Monday</b>	Introduction to Machine Learning for Engineers/ Biomedical Systems	Introduction to Machine Learning for Engineers/ Biomedical Systems	Biomedical Systems	Introduction to Machine Learning for Engineers/ Biomedical Systems	Biomedical Systems/ Introduction to Machine Learning for Engineers	Biomedical Systems/ Introduction to Machine Learning for Engineers	Biomedical Systems/ Introduction to Machine Learning for Engineers	Introduction to Machine Learning for Engineers/ Biomedical Systems	Biomedical Systems/ Introduction to Machine Learning for Engineers
<b>29-11-2022</b> <b>Tuesday</b>	Design of Reinforced Concrete Structures	Design of Reinforced Concrete Structures	Mechanical properties and testing of materials	-	Measurement and Instrumentation	Design of Reinforced Concrete Structures	Design of Machine Elements	Design of Machine Elements	Design of Machine Elements
<b>2:30 PM - 5:30 PM (Afternoon)</b>									
<b>30-11-2022</b> <b>Wednesday</b>	-	-	Mineral processing	-	-	-	Heat Transfer	Heat Transfer	Heat Transfer
<b>01-12-2022</b> <b>Thursday</b>	-	-	-	-	-	-	Casting, Welding and Forming	Casting, Welding and Forming	Casting, Welding and Forming
<b>02-12-2022</b> <b>Friday</b>	-	-	-	-	-	-	Systems & Control	Systems & Control	Systems & Control



**Indian Institute of Technology Bhubaneswar**  
**Autumn End-Semester Examination - 2022**  
**Dual Degree ( Semester-7 )**

Date / Day	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 Environmental Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Mechanical Systems Design	B.Tech. in Civil Engineering and M.Tech. in Structural Engineering	B.Tech. in Computer Science and Engineering and M.Tech. in Computer Science and 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>09:30 AM - 12:30 PM (Forenoon)</b>									
22-11-2022 Tuesday	Understanding Human Behaviour	Understanding Human Behaviour	Understanding Human Behaviour	Understanding Human Behaviour	Understanding Human Behaviour	Understanding Human Behaviour	-	-	-
<b>2:30 PM - 5:30 PM (Afternoon)</b>									
22-11-2022 Tuesday	Development Economics/ Banking Theory and Practice	Banking Theory and Practice/ Development Economics	Banking Theory and Practice/ Development Economics	Banking Theory and Practice/ Development Economics	Banking Theory and Practice/ Development Economics	Banking Theory and Practice/ Development Economics	Software Testing and Verification	Light metals and alloys	-
23-11-2022 Wednesday	Computer Aided Design and Manufacturing/ Advanced Manufacturing Processes	Advanced Transportation Engineering	Computer Aided Design and Manufacturing	Environmental Chemistry and Microbiology	Advanced Manufacturing Processes/ Computer Aided Design and Manufacturing	Structural Health Monitoring	Networks and Systems Security	Elements of Electroceramics	Digital Control Systems
24-11-2022 Thursday	-	Pavement Material Characterization	-	Water Treatment and Supply	-	Dynamics of Structures	Compiler Design	Polymers and nanocomposites	Renewable Energy Systems
25-11-2022 Friday	Computational Methods in Thermal & Fluid Engineering	Urban Transportation Planning	-	-	-	Theory of Plates & Shells	Advanced Algorithms	-	-
26-11-2022 Saturday	Advanced Fluid Dynamics	Infrastructure Maintenance and Rehabilitation	-	Solid Waste Management	Vibrations	Infrastructure Maintenance and Rehabilitation	Machine Learning and Data Analytics-I	-	-
28-11-2022 Monday	-	-	Advanced Manufacturing Processes-I	-	Advanced Solid Mechanics	Bridge Engineering	-	Materials Characterization	-

<b>29-11-2022</b> <b>Tuesday</b>	-	-	Machining Science	Wastewater Treatment	-	Advanced Structural Analysis	-	-	Switched Mode Power Conversion
<b>30-11-2022</b> <b>Wednesday</b>	-	-	-	-	-	-	-	-	Theory and Analysis of Electric Drives



# Indian Institute of Technology Bhubaneswar

## Autumn End-Semester Examination - 2022

### Dual Degree ( Semester-9 )

Date / Day	B.Tech. in Mechanical Engineering and M.Tech. in Mechanical Systems Design	B.Tech. in Civil Engineering and M.Tech. in Environmental Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Manufacturing Engineering	B.Tech. in Metallurgical and Materials Engineering and M.Tech. in Metallurgical and Materials Engineering	B.Tech. in Mechanical Engineering and M.Tech. in Thermal Science and Engineering	B.Tech. in Electrical Engineering and M.Tech. in Power Electronics and Drives	B.Tech. in Computer Science and Engineering and M.Tech. in Computer Science and Engineering	B.Tech. in Civil Engineering and M.Tech. in Structural Engineering	B.Tech. in Civil Engineering and M.Tech. in Transportation Engineering
<b>09:30 AM - 12:30 PM (Forenoon)</b>									
22-11-2022 Tuesday	Engineering Measurements	Surface Hydrology	Engineering Measurements/ Design and Analysis of Welded Structures	Materials Processing	Conduction and Radiation Heat Transfer/ Heat and Mass Transfer in Biological Systems	-	-	-	-
23-11-2022 Wednesday	Fatigue, Creep & Fracture	-	-	Advanced Thermodynamics and Kinetics	-	Power System Analysis and Operation	-	-	-
24-11-2022 Thursday	-	-	-	-	-	-	Cryptography	-	-
28-11-2022 Monday	-	Atmospheric Chemistry & Aerosol	-	-	-	-	-	-	-
<b>2:30 PM - 5:30 PM (Afternoon)</b>									
22-11-2022 Tuesday	-	-	-	-	-	Advanced Digital System Design	Advanced Digital System Design	-	-
23-11-2022 Wednesday	-	-	-	-	-	-	-	Structural Health Monitoring	-
25-11-2022 Friday	-	-	-	-	-	Statistical Signal Processing/ Electric Power Quality	-	-	-

<b>26-11-2022</b> <b>Saturday</b>	-	Solid Waste Management	-	-	-	Machine Learning and Data Analytics- I	-	Infrastructure Maintenance and Rehabilitation	-
<b>28-11-2022</b> <b>Monday</b>	-	-	-	-	-	Image and Video Processing	Mathematical Methods	Bridge Engineering	Mathematical Methods
<b>29-11-2022</b> <b>Tuesday</b>	-	-	-	-	-	-	-	-	Design of Transportation Facilities and Safety





**Indian Institute of Technology Bhubaneswar**  
**Autumn End-Semester Examination - 2022**  
**B.Tech. ( Semester-3 )**

Date / Day	Metallurgical and Materials Engineering	Electrical Engineering	Electronics and Communication Engineering	Computer Science and Engineering	Mechanical Engineering	Civil Engineering
<b>09:30 AM - 12:30 PM (Forenoon)</b>						
24-11-2022 Thursday	International Business	International Business	International Business	International Business	-	-
<b>2:30 PM - 5:30 PM (Afternoon)</b>						
22-11-2022 Tuesday	Introduction to Bioscience and Technology	Introduction to Bioscience and Technology	Introduction to Bioscience and Technology	Introduction to Bioscience and Technology	Introduction to Bioscience and Technology	Introduction to Bioscience and Technology
23-11-2022 Wednesday	Introduction to Materials Science and Engineering	Introduction to Materials Science and Engineering	Introduction to Materials Science and Engineering	-	Introduction to Materials Science and Engineering	Introduction to Materials Science and Engineering
24-11-2022 Thursday	Social Psychology/ Introduction to Economics/ Speaking and Presentation	Social Psychology/ Speaking and Presentation/ Introduction to Economics	Introduction to Economics/ Odissi Dance-1/ Speaking and Presentation/ Social Psychology	Social Psychology/ Odissi Dance-1/ Speaking and Presentation/ Introduction to Economics	Transform Calculus	Surveying
25-11-2022 Friday	Numerical Methods	Probability, Statistics & Stochastic Processes	Probability, Statistics & Stochastic Processes	-	Theory of Machines - I	Probability, Statistics & Stochastic Processes
26-11-2022 Saturday	-	-	-	Data Structures	Fluid Mechanics	-
28-11-2022 Monday	Thermodynamics of Materials	Introduction to Electronics	Introduction to Electronics	Introduction to Electronics	-	Solid Mechanics
29-11-2022 Tuesday	Basic Electronics	Signals and Systems	Signals and Systems	Signals and Systems	Basic Electronics	Basic Electronics
30-11-2022 Wednesday	-	-	-	Discrete Structures	-	-



**Indian Institute of Technology Bhubaneswar**  
**Autumn End-Semester Examination - 2022**  
**B.Tech. ( Semester-4 )**

<b>Date / Day</b>	<b>Metallurgical and Materials Engineering</b>
<b>09:30 AM - 12:30 PM (Forenoon)</b>	
<b>24-11-2022</b> <b>Thursday</b>	International Business



# Indian Institute of Technology Bhubaneswar

## Autumn End-Semester Examination - 2022

### B.Tech. ( Semester-5 )

Date / Day	Electronics and Communication Engineering	Civil Engineering	Computer Science and Engineering	Electrical Engineering	Metallurgical and Materials Engineering	Mechanical Engineering
<b>09:30 AM - 12:30 PM (Forenoon)</b>						
22-11-2022 Tuesday	Digital Communication	Water Resources Engineering	Computer Organization and Architecture	Power Electronics	Chemical metallurgy	-
23-11-2022 Wednesday	Electromagnetic waves and Radiating Systems	Soil Mechanics	Operating Systems	Electrical Power Transmission and Distribution	Corrosion and surface engineering	-
24-11-2022 Thursday	Applied Organizational Psychology/ Managerial Economics/ Environomics/ Ethics and Leadership Skills for Technocrats/ Dimensions of Creativity: Indian Writings in English	Applied Organizational Psychology/ Environomics/ Ethics and Leadership Skills for Technocrats/ Managerial Economics/ Dimensions of Creativity: Indian Writings in English	Applied Organizational Psychology/ Dimensions of Creativity: Indian Writings in English/ Managerial Economics/ Environomics/ Ethics and Leadership Skills for Technocrats	Environomics/ Ethics and Leadership Skills for Technocrats/ Managerial Economics/ Applied Organizational Psychology	Environomics/ Ethics and Leadership Skills for Technocrats/ Dimensions of Creativity: Indian Writings in English/ Applied Organizational Psychology/ Managerial Economics	-
25-11-2022 Friday	Microprocessor and Microcontroller	-	Formal Languages and Automata Theory	Electromagnetic Field Theory	Phase transformation of materials	-
26-11-2022 Saturday	Traffic Engineering and Management/ Applied Thermodynamics	Applied Thermodynamics/ Control System Technology	Applied Thermodynamics/ Traffic Engineering and Management/ Control System Technology	Traffic Engineering and Management/ Applied Thermodynamics	Traffic Engineering and Management/ Applied Thermodynamics	Traffic Engineering and Management
28-11-2022 Monday	Introduction to Machine Learning for Engineers	Biomedical Systems/ Introduction to Machine Learning for Engineers	Introduction to Machine Learning for Engineers/ Biomedical Systems	Biomedical Systems/ Introduction to Machine Learning for Engineers	Introduction to Machine Learning for Engineers/ Biomedical Systems	Introduction to Machine Learning for Engineers/ Biomedical Systems
29-11-2022 Tuesday	-	Design of Reinforced Concrete Structures	-	Measurement and Instrumentation	Mechanical properties and testing of materials	Design of Machine Elements
<b>2:30 PM - 5:30 PM (Afternoon)</b>						
30-11-2022 Wednesday	-	-	-	-	Mineral processing	Heat Transfer
01-12-2022 Thursday	-	-	-	-	-	Casting, Welding and Forming
02-12-2022 Friday	-	-	-	-	-	Systems & Control



# Indian Institute of Technology Bhubaneswar

## Autumn End-Semester Examination - 2022

### B.Tech. ( Semester-7 )

Date / Day	Mechanical Engineering	Civil Engineering	Electrical Engineering	Computer Science and Engineering	Metallurgical and Materials Engineering	Electronics and Communication Engineering
<b>09:30 AM - 12:30 PM (Forenoon)</b>						
22-11-2022 Tuesday	Understanding Human Behaviour	Understanding Human Behaviour	-	-	-	-
<b>2:30 PM - 5:30 PM (Afternoon)</b>						
22-11-2022 Tuesday	Development Economics/ Banking Theory and Practice	Development Economics/ Banking Theory and Practice	Software Testing and Verification/ Advanced Digital System Design	Advanced Digital System Design/ Software Testing and Verification	Light metals and alloys	Advanced Digital System Design
23-11-2022 Wednesday	Advanced Manufacturing Processes/ Computer Aided Design and Manufacturing	Advanced Transportation Engineering/ Environmental Chemistry and Microbiology/ Structural Health Monitoring	Digital Control Systems	Networks and Systems Security	Elements of Electroceramics	Communication Networks and Switching
24-11-2022 Thursday	Finite Element Methods in Engineering/ Gas Turbine & Jet Propulsion	Pavement Material Characterization	Renewable Energy Systems	Compiler Design	Polymers and nanocomposites	RF and Microwave Engineering
25-11-2022 Friday	Operations Management	Theory of Plates & Shells/ Urban Transportation Planning	Advanced Algorithms/ Statistical Signal Processing/ Electric Power Quality	Advanced Algorithms	Heat Treatment of Materials	IC design for wireless Communication/ Statistical Signal Processing
26-11-2022 Saturday	-	Infrastructure Maintenance and Rehabilitation/ Solid Waste Management	Machine Learning and Data Analytics- I	Machine Learning and Data Analytics- I	Mechanical Behavior of Materials	Advanced Communication Engineering/ Machine Learning and Data Analytics- I
28-11-2022 Monday	-	Bridge Engineering	Image and Video Processing	Mathematical Methods	-	Image and Video Processing
29-11-2022 Tuesday	-	Design of Transportation Facilities and Safety/ Wastewater Treatment/ Advanced Structural Analysis/ Applied Soil Mechanics	Switched Mode Power Conversion	-	-	Optical Communication



# Indian Institute of Technology Bhubaneswar

## Autumn End-Semester Examination - 2022

### M.Tech. ( Semester-1 )

Date / Day	Thermal Science and Engineering	Climate Science and Technology	Water Resources Engineering	Metallurgical and Materials Engineering	Geotechnical Engineering	Manufacturing Engineering	Mechanical Systems Design	Power Electronics and Drives	Power System Engineering	Computer Science and Engineering	Environmental Engineering	Signal Processing and Communication Engineering	Structural Engineering	Transportation Engineering
<b>09:30 AM - 12:30 PM (Forenoon)</b>														
22-11-2022 Tuesday	Conduction and Radiation Heat Transfer	Surface Hydrology/ Conduction and Radiation Heat Transfer	Surface Hydrology	Materials Processing	Computational Geomechanics	Design and Analysis of Welded Structures	-	-	-	-	-	-	-	-
23-11-2022 Wednesday	Applications of Linear Algebra in Mechanical Engineering	Satellite Oceanography and Meteorology	-	Advanced Thermodynamics and Kinetics	Multihazard Design of Foundation	Lasers in Manufacturing	Fatigue, Creep & Fracture	Power System Analysis and Operation	Power System Analysis and Operation	-	-	-	-	-
24-11-2022 Thursday	Advanced Thermodynamics	Earth and Its Interior	-	-	-	-	-	Renewable and Distributed Energy Sources	Renewable and Distributed Energy Sources	Cryptography	-	-	-	-
25-11-2022 Friday	-	-	Open Channel Flows	-	-	Robotics and Automation	Robotics and Automation	-	-	-	Open Channel Flows	-	-	-
26-11-2022 Saturday	-	Physics of Atmosphere and Ocean	-	-	-	-	-	-	-	-	-	-	-	-
28-11-2022 Monday	-	Atmospheric Chemistry & Aerosol	-	-	-	-	-	-	-	-	Atmospheric Chemistry & Aerosol	-	-	-
29-11-2022 Tuesday	-	Mathematical and Statistical Methods in Earth System Science	Mathematical and Statistical Methods in Earth System Science	-	-	-	-	-	-	-	-	-	-	-
<b>2:30 PM - 5:30 PM (Afternoon)</b>														
22-11-2022 Tuesday	-	-	-	-	-	-	-	Advanced Digital System Design	Advanced Digital System Design	Software Testing and Verification	-	Advanced Digital System Design	-	-
23-11-2022 Wednesday	-	-	-	-	-	-	-	-	-	Networks and Systems Security	Environmental Chemistry and Microbiology	-	Structural Health Monitoring	Structural Health Monitoring
24-11-2022 Thursday	Gas Turbine & Jet Propulsion	-	Water Treatment and Supply	-	Pavement Material Characterization	Finite Element Methods in Engineering	Finite Element Methods in Engineering	-	-	-	Water Treatment and Supply	-	Dynamics of Structures	Pavement Material Characterization

25-11-2022 Friday	Computational Methods in Thermal & Fluid Engineering	-	-	Heat Treatment of Materials	-	Operations Management	Operations Management	Statistical Signal Processing/ Electric Power Quality	Electric Power Quality	Advanced Algorithms	-	IC design for wireless Communication	Theory of Plates & Shells	Urban Transportation Planning
26-11-2022 Saturday	Advanced Fluid Dynamics	-	-	Mechanical Behavior of Materials	-	Mechanical Behavior of Materials	Vibrations	Machine Learning and Data Analytics- I	Machine Learning and Data Analytics- I	Machine Learning and Data Analytics- I	Solid Waste Management	Advanced Communication Engineering	-	Machine Learning and Data Analytics- I
28-11-2022 Monday	-	-	Mathematical Methods	Materials Characterization	Bridge Engineering	Advanced Manufacturing Processes-I	Advanced Solid Mechanics	Mathematical Methods	Mathematical Methods	Image and Video Processing	Mathematical Methods	Image and Video Processing	Bridge Engineering	Bridge Engineering
29-11-2022 Tuesday	-	-	-	-	Applied Soil Mechanics	Machining Science	-	Switched Mode Power Conversion	Switched Mode Power Conversion	-	Wastewater Treatment	Optical Communication	Advanced Structural Analysis	Design of Transportation Facilities and Safety
30-11-2022 Wednesday	-	Dynamics of Atmosphere and Ocean	Dynamics of Atmosphere and Ocean	-	-	-	-	Theory and Analysis of Electric Drives	Theory and Analysis of Electric Drives	-	-	-	-	-



**Indian Institute of Technology Bhubaneswar**  
**Autumn End-Semester Examination - 2022**  
**M.Sc. ( Semester-1 )**

Date / Day	Mathematics	Physics	Atmosphere and Ocean Sciences	Geology	Chemistry
<b>09:30 AM - 12:30 PM (Forenoon)</b>					
22-11-2022 Tuesday	Computer Programming and Data Structures	Classical Mechanics	Fundamental of Meteorology & Oceanography	Advanced Mineralogy & Crystallography	Concept of Organic Synthesis
23-11-2022 Wednesday	Discrete Mathematics	Electrodynamics I	Modelling of Dynamical Processes of Ocean and Atmosphere	Computational Geosciences	Inorganic Chemistry- Structure, Principle and Reactivity
24-11-2022 Thursday	Linear Algebra	Electronics	-	Igneous and Metamorphic Petrogenesis	Introduction to Quantum Chemistry
25-11-2022 Friday	Probability and Statistics	Introduction to Computational Methods	-	Structural Geology	Mathematics for Chemists
26-11-2022 Saturday	Real Analysis	Mathematical Physics	Physics of Atmosphere & Ocean	Understanding Earth System	-
28-11-2022 Monday	-	Quantum Mechanics I	Atmospheric Chemistry and Aerosol	-	-
29-11-2022 Tuesday	-	-	Mathematical and Statistical Methods in Climate Science	-	-
<b>2:30 PM - 5:30 PM (Afternoon)</b>					
30-11-2022 Wednesday	-	-	Dynamics of Atmosphere & Ocean	-	-



**Indian Institute of Technology Bhubaneswar**  
**Autumn End-Semester Examination - 2022**  
**M.Sc. ( Semester-3 )**

Date / Day	Geology	Physics	Chemistry	Mathematics	Atmosphere and Ocean Sciences
<b>09:30 AM - 12:30 PM (Forenoon)</b>					
28-11-2022 Monday	Atmospheric Chemistry & Aerosol	-	-	-	-
<b>2:30 PM - 5:30 PM (Afternoon)</b>					
22-11-2022 Tuesday	Basics of Fluid Dynamics	Accelerator based physics of solids	Advanced Heterocyclic Chemistry/ Receptor Pharmacology and Drug Discovery	Integral Equations and Variational Methods	Basics of Fluid Dynamics
23-11-2022 Wednesday	Geothermal Energy	Advanced Statistical Physics	Advanced Polymer Chemistry/ Chemistry of Pharmaceutics	Continuum Mechanics	Geothermal Energy
24-11-2022 Thursday	Coal and Petroleum Geology	Quantum Field Theory/ Atomistic Simulations in Physics	Metal Complexes in Catalysis	Functional Analysis	Atmospheric Diffusion, Air and Water Pollution
25-11-2022 Friday	Isotope Geology	Condensed Matter Physics	Analytical Chemistry	Numerical Linear Algebra/ Functions of Several Variables	Micro Meteorology and Oceanography
26-11-2022 Saturday	Ore Geology	Nuclear and Particle Physics	-	Optimization Techniques	Objective Analysis and Data Assimilation
28-11-2022 Monday	-	-	-	-	Satellite Oceanography





# Indian Institute of Technology Bhubaneswar

## Autumn End-Semester Examination - 2022

### Ph.D.

Date / Day	Economics	Geotechnical Engineering	Atmosphere and Ocean Sciences	Metallurgical and Materials Engineering	Structural Engineering	Geology	Mechanical Engineering	Electronics and Communication Engineering	ATMOSPHERE OCEAN SCIENCES	Mathematics	Electrical Engineering	Environmental Engineering	Chemistry	Bioscience	Physics	Chemistry	Computer Science and Engineering	Transportation Engineering	Water Resources Engineering	Minerals, Metallurgical and Materials Engineering	English
<b>09:30 AM - 12:30 PM (Forenoon)</b>																					
22-11-2022 Tuesday	Applied Econometrics/ Applied Econometrics	Computational Geomechanics	Modeling of Air-Sea Interactions/ Surface Hydrology	Materials Processing	Computational Geomechanics	Paleoceanography & Paleoclimatology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23-11-2022 Wednesday	Economics of Common Property Resource Management/ Economics of Common Property Resource Management	-	Satellite Oceanography and Meteorology	Advanced Thermodynamics and Kinetics	Fatigue, Creep & Fracture	-	Lasers in Manufacturing	Power System Analysis and Operation	Satellite Oceanography and Meteorology	Applications of Linear Algebra in Mechanical Engineering	-	-	-	-	-	-	-	-	-	-	-
24-11-2022 Thursday	Special Areas of Environmental Economics/ Special Areas of Environmental Economics	-	-	-	-	-	-	-	-	-	Renewable and Distributed Energy Sources	-	-	-	-	-	-	-	-	-	-
26-11-2022 Saturday	-	-	Physics of Atmosphere and Ocean	-	-	Physics of Atmosphere and Ocean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28-11-2022 Monday	-	-	Atmospheric Chemistry & Aerosol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29-11-2022 Tuesday	-	-	Mathematical and Statistical Methods in Earth System Science	-	Mathematical and Statistical Methods in Earth System Science	-	-	-	Mathematical and Statistical Methods in Earth System Science	-	-	Mathematical and Statistical Methods in Earth System Science	-	-	-	-	-	-	-	-	-
<b>2:30 PM - 5:30 PM (Afternoon)</b>																					
22-11-2022 Tuesday	-	-	-	-	-	-	-	Advanced Digital System Design	-	Integral Equations and Variational Methods	Advanced Digital System Design	-	Advanced Heterocyclic Chemistry	Receptor Pharmacology and Drug Discovery/ Receptor Pharmacology and Drug Discovery	Accelerator based physics of solids/ Receptor Pharmacology and Drug Discovery/ Accelerator based physics of solids	Advanced Heterocyclic Chemistry	-	-	-	-	-
23-11-2022 Wednesday	-	-	-	-	-	-	-	-	-	-	-	-	Chemistry of Pharmaceutics	Chemistry of Pharmaceutics	Advanced Statistical Physics/ Advanced Statistical Physics	Advanced Polymer Chemistry	Networks and Systems Security	-	-	-	-
24-11-2022 Thursday	-	-	-	-	Dynamics of Structures/ Pavement Material Characterization	-	-	-	-	-	-	Water Treatment and Supply	Metal Complexes in Catalysis	-	Atomistic Simulations in Physics/ Quantum Field Theory/ Atomistic Simulations in Physics/ Quantum Field Theory	Metal Complexes in Catalysis	-	Pavement Material Characterization	Water Treatment and Supply	-	-
25-11-2022 Friday	-	-	-	-	Theory of Plates & Shells	-	Computational Methods in Thermal & Fluid Engineering	IC design for wireless Communication/ Statistical Signal Processing/ Statistical Signal Processing	-	-	Electric Power Quality	-	-	-	-	-	Advanced Algorithms	Urban Transportation Planning	-	-	-

26-11-2022 Saturday	-	-	-	-	Solid Waste Management/ Infrastructure Maintenance and Rehabilitation	-	Vibrations	Advanced Communication Engineering/ Advanced Communication Engineering	-	-	Machine Learning and Data Analytics- I	Solid Waste Management/ Solid Waste Management	-	-	Machine Learning and Data Analytics- I	-	Machine Learning and Data Analytics- I	Solid Waste Management/ Infrastructure Maintenance and Rehabilitation	-	Mechanical Behavior of Materials	-
28-11-2022 Monday	-	Materials Characterization	-	-	-	-	-	Mathematical Methods/ Image and Video Processing/ Mathematical Methods	-	Mathematical Methods/ Mathematical Methods	-	-	-	-	-	-	Image and Video Processing	-	-	-	-
29-11-2022 Tuesday	-	Applied Soil Mechanics	-	-	-	-	-	Optical Communication	-	-	Switched Mode Power Conversion	Wastewater Treatment/ Wastewater Treatment	-	-	-	-	-	Design of Transportation Facilities and Safety/ Applied Soil Mechanics	-	-	-
30-11-2022 Wednesday	-	-	-	-	-	Dynamics of Atmosphere and Ocean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01-12-2022 Thursday	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	-	Scientific and Technical Writing	Scientific and Technical Writing	-	Scientific and Technical Writing	Scientific and Technical Writing
02-12-2022 Friday	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/ 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