



# Indian Institute of Technology Bhubaneswar

## Autumn Mid-Semester Examination - 2020

### Dual Degree ( Semester-3 )

Date / Day	B.Tech. in Mechanical Engineering and M.Tech. in Mechanical Systems Design	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 Electrical Engineering and M.Tech. in Power Electronics and Drives	B.Tech. in Civil Engineering and M.Tech. in Structural Engineering	B.Tech. in Civil Engineering and M.Tech. in Transportation 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 Computer Science and Engineering and M.Tech. in Computer Science and Engineering
<b>10:30 AM - 12:30 PM (Forenoon)</b>									
07-10-2020 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	Introduction to Materials Science and Engineering	Introduction to Materials Science and Engineering	Introduction to Materials Science and Engineering	-
08-10-2020 Thursday	Basic Electronics	Basic Electronics	Basic Electronics	-	Basic Electronics	Basic Electronics	Basic Electronics	Basic Electronics	-
09-10-2020 Friday	Theory of Machines - I	Theory of Machines - I	Surveying	Introduction to Electronics	Surveying	Surveying	Numerical Methods	Theory of Machines - I	Introduction to Electronics
11-10-2020 Sunday	-	-	-	-	-	-	-	-	Discrete Structures
12-10-2020 Monday	Transform Calculus	Transform Calculus	Solid Mechanics	Social Psychology/ International Business/ Introduction to Economics/ Speaking and Presentation	Solid Mechanics	Solid Mechanics	Introduction to Economics/ Social Psychology/ Speaking and Presentation/ Odissi Dance-1/ International Business	Transform Calculus	International Business/ Social Psychology/ Introduction to Economics/ Speaking and Presentation
13-10-2020 Tuesday	Fluid Mechanics	Fluid Mechanics	Probability, Statistics & Stochastic Processes	Probability, Statistics and Stochastic Processes	Probability, Statistics & Stochastic Processes	Probability, Statistics & Stochastic Processes	Thermodynamics of Materials	Fluid Mechanics	Data Structures
14-10-2020 Wednesday	-	-	-	Signals and Systems	-	-	-	-	Signals and Systems
15-10-2020 Thursday	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bioscience and Technology	Introduction to Bio Science and Technology	Introduction to Bioscience and Technology	Introduction to Bioscience and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology

## 2:30 PM - 4:30 PM (Afternoon)

08-10-2020  
Thursday

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Mathematics in  
India: Ancient to  
Modern Times



**Indian Institute of Technology Bhubaneswar**  
**Autumn Mid-Semester Examination - 2020**  
**Dual Degree ( Semester-5 )**

Date / Day	B.Tech. in Civil Engineering and M.Tech. in Transportation 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 Environmental Engineering	B.Tech. in Civil Engineering and M.Tech. in Structural 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 Mechanical Engineering and M.Tech. in Manufacturing Engineering
<b>10:30 AM - 12:30 PM (Forenoon)</b>									
09-10-2020 Friday	General Studies and Current Affairs-II	General Studies and Current Affairs-II	General Studies and Current Affairs-II	General Studies and Current Affairs-II	General Studies and Current Affairs-II	General Studies and Current Affairs-II	-	-	-
11-10-2020 Sunday	-	Applied Thermodynamics/ Biomedical Systems	Applied Thermodynamics	Applied Thermodynamics	Applied Thermodynamics	Biomedical Systems/ Applied Thermodynamics	Biomedical Systems	Biomedical Systems	Biomedical Systems
13-10-2020 Tuesday	-	-	-	-	-	-	Systems & Control	Systems & Control	Systems & Control
<b>2:30 PM - 4:30 PM (Afternoon)</b>									
07-10-2020 Wednesday	Control System Technology/ Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics	Control System Technology/ Traffic Engineering and Management	Introduction to Machine Learning for Engineers/ Control System Technology/ Introduction to Ocean Dynamics/ Traffic Engineering and Management	Traffic Engineering and Management/ Introduction to Ocean Dynamics/ Introduction to Machine Learning for Engineers	Control System Technology/ Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics	Introduction to Ocean Dynamics/ Control System Technology	Traffic Engineering and Management/ Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics	Traffic Engineering and Management/ Introduction to Ocean Dynamics/ Introduction to Machine Learning for Engineers	Traffic Engineering and Management/ Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics
08-10-2020 Thursday	Mathematics in India: Ancient to Modern Times	Mineral processing	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	-	-	-

<b>09-10-2020 Friday</b>	Environomics/ Applied Organizational Psychology/ Introduction to Indian Philosophy	Managerial Economics/ Global Communication/ Environomics	Introduction to Indian Philosophy/ Global Communication/ Managerial Economics/ Applied Organizational Psychology/ Environomics	Environomics/ Managerial Economics/ Introduction to Indian Philosophy/ Applied Organizational Psychology/ Global Communication	Managerial Economics/ Environomics	Applied Organizational Psychology/ Introduction to Indian Philosophy	Heat Transfer	Heat Transfer	Heat Transfer
<b>12-10-2020 Monday</b>	Design of Reinforced Concrete Structures	Corrosion and surface engineering	Formal Languages and Automata Theory	Electrical Power Transmission and Distribution	Design of Reinforced Concrete Structures	Design of Reinforced Concrete Structures	Casting, Welding and Forming	Casting, Welding and Forming	Casting, Welding and Forming
<b>13-10-2020 Tuesday</b>	Soil Mechanics	Phase transformation of materials	Operating Systems	Measurement and Instrumentation	Soil Mechanics	Soil Mechanics	-	-	-
<b>14-10-2020 Wednesday</b>	Water Resources Engineering	Chemical metallurgy	Computer Organization and Architecture	Electromagnetic Field Theory	Water Resources Engineering	Water Resources Engineering	-	-	-
<b>15-10-2020 Thursday</b>	-	Mechanical properties and testing of materials	-	Power Electronics	-	-	Design of Machine Elements	Design of Machine Elements	Design of Machine Elements



# Indian Institute of Technology Bhubaneswar

## Autumn Mid-Semester Examination - 2020

### Dual Degree ( Semester-7 )

Date / Day	B.Tech. in Metallurgical and Materials Engineering and M.Tech. in Metallurgical and Materials 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 Environmental 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 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 Mechanical Engineering and M.Tech. in Manufacturing Engineering
<b>10:30 AM - 12:30 PM (Forenoon)</b>									
07-10-2020 Wednesday	Light metals and alloys	-	-	-	-	-	-	-	-
10-10-2020 Saturday	-	Vibrations	-	-	-	-	-	-	-
11-10-2020 Sunday	-	-	Urban Transportation Planning	Wastewater Treatment	Renewable Energy Systems	Computational Methods in Thermal & Fluid Engineering	Networks and Systems Security	Advanced Structural Analysis	-
12-10-2020 Monday	-	-	-	-	-	-	-	Structural Health Monitoring	-
<b>2:30 PM - 4:30 PM (Afternoon)</b>									
07-10-2020 Wednesday	-	Computer Aided Design and Manufacturing	Advanced Transportation Engineering	-	-	Computer Aided Design and Manufacturing	Compiler Design	Dynamics of Structures	Computer Aided Design and Manufacturing
08-10-2020 Thursday	Elements of Electroceramics	Banking Theory and Practice/ Ethics and Epics/ Mathematics in India: Ancient to Modern Times	Emotional Intelligence/ Ethics and Epics/ Banking Theory and Practice	Ethics and Epics/ Emotional Intelligence	Digital Control Systems	Ethics and Epics/ Banking Theory and Practice	-	Emotional Intelligence/ Ethics and Epics/ Banking Theory and Practice	Banking Theory and Practice/ Ethics and Epics
09-10-2020 Friday	Polymers and nanocomposites	-	Pavement Material Characterization	Surface Hydrology	-	-	Advanced Algorithms	-	-
12-10-2020 Monday	-	-	-	-	Switched Mode Power Conversion	-	Software Testing and Verification	-	-

<b>13-10-2020 Tuesday</b>	Materials Characterization	-	-	Integrated Watershed Management	-	-	Machine Learning and Data Analytics- I	Bridge Engineering	Advanced Manufacturing Processes-I
<b>14-10-2020 Wednesday</b>	-	Advanced Manufacturing Processes	-	-	-	Advanced Manufacturing Processes	-	-	Advanced Manufacturing Processes
<b>15-10-2020 Thursday</b>	-	Advanced Solid Mechanics	Infrastructure Maintenance and Rehabilitation	Water Treatment and Supply	Theory and Analysis of Electric Drives	Advanced Fluid Dynamics	-	Infrastructure Maintenance and Rehabilitation	Machining Science



**Indian Institute of Technology Bhubaneswar**  
**Autumn Mid-Semester Examination - 2020**  
**Dual Degree ( Semester-9 )**

<b>Date / Day</b>	<b>B.Tech. in Mechanical Engineering and M.Tech. in Thermal Science and Engineering</b>	<b>B.Tech. in Mechanical Engineering and M.Tech. in Mechanical Systems Design</b>	<b>B.Tech. in Civil Engineering and M.Tech. in Structural Engineering</b>	<b>B.Tech. in Civil Engineering and M.Tech. in Transportation Engineering</b>
<b>10:30 AM - 12:30 PM (Forenoon)</b>				
08-10-2020 Thursday	Engineering Measurements	-	-	-
11-10-2020 Sunday	-	Operations Management	-	-
12-10-2020 Monday	-	-	Structural Health Monitoring	-
<b>2:30 PM - 4:30 PM (Afternoon)</b>				
09-10-2020 Friday	Gas Turbine & Jet Propulsion	Finite Element Methods in Engineering	-	-
14-10-2020 Wednesday	-	-	Theory of Plates & Shells	-
15-10-2020 Thursday	-	-	Infrastructure Maintenance and Rehabilitation	Infrastructure Maintenance and Rehabilitation



**Indian Institute of Technology Bhubaneswar**  
**Autumn Mid-Semester Examination - 2020**  
**B.Tech. ( Semester-3 )**

Date / Day	Electronics and Communication Engineering	Mechanical Engineering	Metallurgical and Materials Engineering	Electrical Engineering	Civil Engineering	Computer Science and Engineering
<b>10:30 AM - 12:30 PM (Forenoon)</b>						
07-10-2020 Wednesday	Introduction to Material 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	-
08-10-2020 Thursday	-	Basic Electronics	Basic Electronics	-	Basic Electronics	-
09-10-2020 Friday	Introduction to Electronics	Theory of Machines - I	Numerical Methods	Introduction to Electronics	Surveying	Introduction to Electronics
11-10-2020 Sunday	-	-	-	-	-	Discrete Structures
12-10-2020 Monday	International Business/ Social Psychology/ Functional and Communicative Sanskrit/ Introduction to Economics	Transform Calculus	Introduction to Economics/ Speaking and Presentation/ Functional and Communicative Sanskrit/ Social Psychology/ Odissi Dance-1/ International Business	Speaking and Presentation/ International Business/ Social Psychology/ Odissi Dance-1/ Functional and Communicative Sanskrit/ Introduction to Economics	Solid Mechanics	Social Psychology/ International Business/ Introduction to Economics/ Functional and Communicative Sanskrit/ Speaking and Presentation
13-10-2020 Tuesday	Probability Statistics and Stochastic Processes	Fluid Mechanics	Thermodynamics of Materials	Probability Statistics and Stochastic Processes	Probability, Statistics & Stochastic Processes	Data Structures
14-10-2020 Wednesday	Signals and Systems	-	-	Signals and Systems	-	Signals and Systems
15-10-2020 Thursday	Introduction to Bioscience and Technology/ Digital Communication	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bio Science and Technology	Introduction to Bioscience and Technology	Introduction to Bio Science and Technology
<b>2:30 PM - 4:30 PM (Afternoon)</b>						
08-10-2020 Thursday	Mathematics in India: Ancient to Modern Times	-	-	Mathematics in India: Ancient to Modern Times	-	Mathematics in India: Ancient to Modern Times





# Indian Institute of Technology Bhubaneswar

## Autumn Mid-Semester Examination - 2020

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

Date / Day	Civil Engineering	Electronics and Communication Engineering	Metallurgical and Materials Engineering	Electrical Engineering	Computer Science and Engineering	Mechanical Engineering
<b>10:30 AM - 12:30 PM (Forenoon)</b>						
09-10-2020 Friday	General Studies and Current Affairs-II	General Studies and Current Affairs-II	General Studies and Current Affairs-II	General Studies and Current Affairs-II	General Studies and Current Affairs-II	-
11-10-2020 Sunday	Applied Thermodynamics/ Biomedical Systems	Applied Thermodynamics	Applied Thermodynamics/ Biomedical Systems	Biomedical Systems/ Applied Thermodynamics	Biomedical Systems/ Applied Thermodynamics	Biomedical Systems
13-10-2020 Tuesday	-	-	-	-	-	Systems & Control
15-10-2020 Thursday	-	Digital Communication	-	-	-	-
<b>2:30 PM - 4:30 PM (Afternoon)</b>						
07-10-2020 Wednesday	Introduction to Ocean Dynamics/ Control System Technology/ Introduction to Machine Learning for Engineers	Introduction to Machine Learning for Engineers/ Traffic Engineering and Management/ Introduction to Ocean Dynamics	Traffic Engineering and Management/ Introduction to Ocean Dynamics/ Control System Technology	Traffic Engineering and Management/ Introduction to Ocean Dynamics/ Introduction to Machine Learning for Engineers	Control System Technology/ Compiler Design/ Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics/ Traffic Engineering and Management	Traffic Engineering and Management/ Introduction to Machine Learning for Engineers/ Introduction to Ocean Dynamics
08-10-2020 Thursday	Mathematics in India: Ancient to Modern Times	Mathematics in India: Ancient to Modern Times	Mineral processing	Mathematics in India: Ancient to Modern Times	Mathematics in India: Ancient to Modern Times	-
09-10-2020 Friday	Managerial Economics/ Environomics/ Applied Organizational Psychology/ Introduction to Indian Philosophy/ Global Communication	Environomics/ Applied Organizational Psychology/ Introduction to Indian Philosophy/ Managerial Economics/ Global Communication	Introduction to Indian Philosophy/ Applied Organizational Psychology/ Managerial Economics/ Global Communication/ Environomics	Environomics/ Introduction to Indian Philosophy/ Applied Organizational Psychology/ Global Communication/ Managerial Economics	Environomics/ Global Communication/ Managerial Economics/ Introduction to Indian Philosophy/ Applied Organizational Psychology	Heat Transfer
12-10-2020 Monday	Design of Reinforced Concrete Structures	Microprocessor and Microcontroller	Corrosion and surface engineering	Electrical Power Transmission and Distribution	Formal Languages and Automata Theory	Casting, Welding and Forming
13-10-2020 Tuesday	Soil Mechanics	-	Phase transformation of materials	Measurement and Instrumentation	Operating Systems	-

14-10-2020 Wednesday	Water Resources Engineering	Electromagnetic waves and Radiating Systems	Chemical metallurgy	Electromagnetic Field Theory	Computer Organization and Architecture	-
15-10-2020 Thursday	-	-	Mechanical properties and testing of materials	Power Electronics	-	Design of Machine Elements



# Indian Institute of Technology Bhubaneswar

## Autumn Mid-Semester Examination - 2020

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

Date / Day	Civil Engineering	Metallurgical and Materials Engineering	Computer Science and Engineering	Electronics and Communication Engineering	Electrical Engineering	Mechanical Engineering
<b>10:30 AM - 12:30 PM (Forenoon)</b>						
07-10-2020 Wednesday	Open Channel Flows	Light metals and alloys	-	-	-	-
10-10-2020 Saturday	-	-	Advanced Digital System Design	Advanced Digital System Design	Advanced Digital System Design	-
11-10-2020 Sunday	Advanced Structural Analysis/ Wastewater Treatment	-	Networks and Systems Security	-	Renewable Energy Systems	Operations Management
12-10-2020 Monday	Applied Soil Mechanics/ Structural Health Monitoring	-	-	-	-	-
<b>2:30 PM - 4:30 PM (Afternoon)</b>						
07-10-2020 Wednesday	Advanced Transportation Engineering/ Dynamics of Structures	-	Compiler Design	Communication Networks and Switching	Electric Power Quality	Computer Aided Design and Manufacturing
08-10-2020 Thursday	Emotional Intelligence/ Banking Theory and Practice/ Mathematics in India: Ancient to Modern Times/ Ethics and Epics	Elements of Electroceramics	-	RF and Microwave Engineering	Digital Control Systems	Banking Theory and Practice/ Mathematics in India: Ancient to Modern Times/ Ethics and Epics
09-10-2020 Friday	Surface Hydrology/ Pavement Material Characterization/ Solid Waste Management	Polymers and nanocomposites	Advanced Algorithms	Statistical Signal Processing/ Low Power VLSI Circuits & Systems	Statistical Signal Processing/ Low Power VLSI Circuits & Systems	Gas Turbine & Jet Propulsion/ Finite Element Methods in Engineering
12-10-2020 Monday	-	Advanced Physical Metallurgy	Software Testing and Verification	Software Testing and Verification/ Advanced Communication Engineering	Software Testing and Verification/ Switched Mode Power Conversion	-
13-10-2020 Tuesday	Bridge Engineering/ Integrated Watershed Management	-	Machine Learning and Data Analytics-I/ Machine Learning and Data Analytics- I	Machine Learning and Data Analytics- I	Machine Learning and Data Analytics- I	-

<b>14-10-2020</b> <b>Wednesday</b>	Theory of Plates & Shells/ Environmental Chemistry and Microbiology/ Design of Transportation Facilities and Safety	-	-	Optical Communication	-	Advanced Manufacturing Processes
<b>15-10-2020</b> <b>Thursday</b>	Infrastructure Maintenance and Rehabilitation	Advanced Joining Processes/ Chaos in Dynamical Systems/ Materials in archaeology	Image and Video Processing	Image and Video Processing	Image and Video Processing	-



# Indian Institute of Technology Bhubaneswar

## Autumn Mid-Semester Examination - 2020

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

Date / Day	Metallurgical and Materials Engineering	Manufacturing Engineering	Mechanical Systems Design	Geotechnical Engineering	Water Resources Engineering	Climate Science and Technology	Structural Engineering	Transportation Engineering	Power Electronics and Drives	Thermal Science and Engineering	Electronics and Communication Engineering	Power System Engineering	Computer Science and Engineering	Environmental Engineering
<b>10:30 AM - 12:30 PM (Forenoon)</b>														
07-10-2020 Wednesday	Advanced Thermodynamics and Kinetics	Lasers in Manufacturing/ Sensing and Actuation	Sensing and Actuation/ Fatigue, Creep and Fracture	Computational Geomechanics	Open Channel Flows	Physics of Atmosphere and Ocean	-	-	-	-	-	-	-	-
08-10-2020 Thursday	-	Robotics and Automation	Robotics and Automation/ Mathematical Methods for Mechanical Engineers	Mathematical Methods	Mathematical Methods/ Mathematical and Statistical Methods in Earth System Science	Mathematical Methods/ Mathematical and Statistical Methods in Earth System Science	Mathematical Methods	Mathematical Methods	Mathematical Methods I	Engineering Measurements/ Mathematical Methods for Mechanical Engineers	Mathematical Methods I	Mathematical Methods I	Mathematical Methods I	-
09-10-2020 Friday	Materials Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
10-10-2020 Saturday	-	-	Vibrations	-	-	-	-	-	Advanced Digital System Design	-	Advanced Digital System Design	Advanced Digital System Design	-	-
11-10-2020 Sunday	Operations Management	Operations Management	Operations Management	-	-	Satellite Oceanography and Meteorology	Advanced Structural Analysis	Urban Transportation Planning	Power System Analysis and Operation	Computational Methods in Thermal & Fluid Engineering	Networks and Systems Security	Power System Analysis and Operation	Networks and Systems Security	Wastewater Treatment
12-10-2020 Monday	-	-	-	Applied Soil Mechanics	-	Atmospheric Chemistry & Aerosol	Structural Health Monitoring	Applied Soil Mechanics/ Structural Health Monitoring	-	-	-	-	-	Atmospheric Chemistry & Aerosol
13-10-2020 Tuesday	-	-	-	Multihazard Design of Foundation	-	Earth and Its Interior	-	-	-	-	-	-	-	-
14-10-2020 Wednesday	-	Design and Analysis of Welded Structures	-	-	-	Conduction and Radiation Heat Transfer	-	-	Renewable and Distributed Energy Sources	Conduction & Radiation Heat Transfer	-	Renewable and Distributed Energy Sources	-	-
15-10-2020 Thursday	-	-	-	-	-	Dynamics of Atmosphere and Ocean	-	-	-	-	-	-	-	-
<b>2:30 PM - 4:30 PM (Afternoon)</b>														
07-10-2020 Wednesday	-	-	-	-	-	-	Dynamics of Structures	-	Electric Power Quality	-	-	Electric Power Quality	-	-

09-10-2020 Friday	-	Finite Element Methods in Engineering	Finite Element Methods in Engineering	Pavement Material Characterization	Surface Hydrology	Surface Hydrology	-	Pavement Material Characterization	Low Power VLSI Circuits & Systems	Gas Turbine & Jet Propulsion	Low Power VLSI Circuits & Systems/ Statistical Signal Processing	-	Advanced Algorithms	Solid Waste Management
12-10-2020 Monday	Advanced Physical Metallurgy	-	-	-	-	-	-	-	Switched Mode Power Conversion	-	Advanced Communication Engineering	Switched Mode Power Conversion	Software Testing and Verification	-
13-10-2020 Tuesday	Materials Characterization	Advanced Manufacturing Processes-I	Advanced Manufacturing Processes-I	-	Integrated Watershed Management	-	Bridge Engineering	Bridge Engineering	-	-	Machine Learning and Data Analytics- I	-	Machine Learning and Data Analytics- I	Integrated Watershed Management
14-10-2020 Wednesday	-	-	-	-	-	-	Theory of Plates & Shells	Design of Transportation Facilities and Safety	-	-	Optical Communication	-	-	Environmental Chemistry and Microbiology
15-10-2020 Thursday	Chaos in Dynamical Systems/ Advanced Joining Processes	Machining Science	Advanced Solid Mechanics	Infrastructure Maintenance and Rehabilitation	Water Treatment and Supply	-	Infrastructure Maintenance and Rehabilitation	Infrastructure Maintenance and Rehabilitation	Theory and Analysis of Electric Drives	Advanced Fluid Dynamics	Image and Video Processing	Theory and Analysis of Electric Drives	Image and Video Processing	Water Treatment and Supply



**Indian Institute of Technology Bhubaneswar**  
**Autumn Mid-Semester Examination - 2020**  
**M.Sc. ( Semester-1 )**

Date / Day	Chemistry	Geology	Physics	Atmosphere and Ocean Sciences	Mathematics
<b>10:30 AM - 12:30 PM (Forenoon)</b>					
27-10-2020 Tuesday	Mathematics for Chemists	Understanding Earth System	Classical Mechanics	Fundamental of Meteorology & Oceanography	-
28-10-2020 Wednesday	Introduction to Quantum Chemistry	Igneous and Metamorphic Petrogenesis	Mathematical Physics	Mathematical and Statistical Methods in Climate Science	Linear Algebra
29-10-2020 Thursday	Inorganic Chemistry- Structure, Principle and Reactivity	Structural Geology	Quantum Mechanics I	Dynamics of Atmosphere & Ocean	Real Analysis
30-10-2020 Friday	Concept of Organic Synthesis	Advanced Mineralogy & Crystallography	Electronics	Atmospheric Chemistry and Aerosol	Probability and Statistics
31-10-2020 Saturday	-	Computational Geosciences	Introduction to Computational Methods	Modelling of Dynamical Processes of Ocean and Atmosphere	Discrete Mathematics
02-11-2020 Monday	-	-	Electrodynamics I	Physics of Atmosphere & Ocean	Computer Programming and Data Structures



# Indian Institute of Technology Bhubaneswar

## Autumn Mid-Semester Examination - 2020

### M.Sc. ( Semester-3 )

Date / Day	Mathematics	Chemistry	Geology	Atmosphere and Ocean Sciences	Physics
<b>10:30 AM - 12:30 PM (Forenoon)</b>					
07-10-2020 Wednesday	Fluid Dynamics/ Integral Equations and Variational Methods	Metal Complexes in Catalysis	Ore Geology	Objective Analysis and Data Assimilation	-
08-10-2020 Thursday	Functional Analysis	-	Coal and Petroleum Geology	Micro Meteorology and Oceanography	Condensed Matter Physics
09-10-2020 Friday	Algebraic Graph Theory	-	-	Satellite Oceanography	Non Equilibrium Phenomena in Physics
11-10-2020 Sunday	-	Solid State Chemistry	-	Basics of Fluid Dynamics	-
12-10-2020 Monday	Numerical Solution of Ordinary and Partial Differential Equations	Advanced Polymer Chemistry/ Chemistry of Pharmaceuticals	Geothermal Energy	Geothermal Energy	Quantum Field Theory
13-10-2020 Tuesday	-	Advanced Heterocyclic Chemistry	-	-	-
14-10-2020 Wednesday	Continuum Mechanics	Structure and Function of Biomolecules	-	Atmospheric Diffusion, Air and Water Pollution	Nuclear and Particle Physics
15-10-2020 Thursday	-	Analytical Chemistry	Heat and Mass Transfer in Earth System	Heat and Mass Transfer in Earth System	-
<b>2:30 PM - 4:30 PM (Afternoon)</b>					
13-10-2020 Tuesday	-	-	-	-	Materials Characterization
15-10-2020 Thursday	Optimization Techniques	-	Borehole Geophysics	-	Accelerator based physics of solids





# Indian Institute of Technology Bhubaneswar

## Autumn Mid-Semester Examination - 2020

### Ph.D.

Date / Day	ATMOSPHERE OCEAN SCIENCES	Geology	Chemistry	Mathematics	SMMME	Mechanical	Transportation Engineering	Infrastructure	Environmental Engineering	Electrical Engineering	Electronics and Communication Engineering	English	Physics	Bioscience	Computer Science and Engineering	Structural Engineering	Civil Engineering	Geotechnical Engineering	Economics
<b>10:30 AM - 12:30 PM (Forenoon)</b>																			
07-10-2020 Wednesday	Physics of Atmosphere and Ocean	Physics of Atmosphere and Ocean	Metal Complexes in Catalysis	Integral Equations and Variational Methods	Sensing and Actuation/ Advanced Thermodynamics and Kinetics	Fatigue, Creep and Fracture/ Lasers in Manufacturing	-	-	-	-	-	-	-	-	-	-	-	-	-
08-10-2020 Thursday	Mathematical and Statistical Methods in Earth System Science	Mathematical and Statistical Methods in Earth System Science	-	Mathematical Methods	-	Engineering Measurements/ Mathematical Methods for Mechanical Engineers	Mathematical Methods	Mathematical and Statistical Methods in Earth System Science	Mathematical and Statistical Methods in Earth System Science	Mathematical Methods	Mathematical Methods	-	-	-	-	-	-	-	-
09-10-2020 Friday	-	-	-	Algebraic Graph Theory	-	-	-	-	-	-	-	Contemporary World Literature	Non Equilibrium Phenomena in Physics	-	-	-	-	-	-
10-10-2020 Saturday	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
11-10-2020 Sunday	Satellite Oceanography and Meteorology	-	Solid State Chemistry	-	-	Computational Methods in Thermal & Fluid Engineering	-	Advanced Structural Analysis	Wastewater Treatment	-	-	-	-	-	Networks and Systems Security	Advanced Structural Analysis	-	-	-
12-10-2020 Monday	Atmospheric Chemistry & Aerosol	-	Chemistry of Pharmaceutics/ Advanced Polymer Chemistry	Numerical Solution of Ordinary and Partial Differential Equations	-	-	-	-	-	-	-	-	Quantum Field Theory	Chemistry of Pharmaceutics	-	-	-	-	-
13-10-2020 Tuesday	-	Earth and Its Interior	Advanced Heterocyclic Chemistry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Multihazard Design of Foundation	-
14-10-2020 Wednesday	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/ Renewable and Distributed Energy Sources	-	Research Methodology and Data Analysis	Structure and Function of Biomolecules	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
15-10-2020 Thursday	Dynamics of Atmosphere and Ocean	-	-	-	-	-	-	-	-	-	-	Introduction to Literature	-	-	-	-	-	-	-
<b>2:30 PM - 4:30 PM (Afternoon)</b>																			
07-10-2020 Wednesday	-	-	-	-	-	-	-	Dynamics of Structures	-	Electric Power Quality	-	-	-	-	-	-	-	-	-
08-10-2020 Thursday	-	-	-	-	-	Heat and Mass Transfer in Biological Systems	-	-	-	-	-	Indian Writing in English (FICTION)	-	-	-	-	-	-	Special Areas of Environmental Economics/ Management of International Business
09-10-2020 Friday	-	-	-	-	-	-	Pavement Material Characterization	Finite Element Methods in Engineering	-	Statistical Signal Processing	Statistical Signal Processing/ Low Power VLSI Circuits & Systems	-	-	-	-	Finite Element Methods in Engineering	Pavement Material Characterization	Surface Hydrology	-

12-10-2020 Monday	-	-	-	-	Advanced Physical Metallurgy	-	-	-	-	Switched Mode Power Conversion	Advanced Communication Engineering	-	-	-	-	-	-	-	-
13-10-2020 Tuesday	-	-	-	-	Advanced Manufacturing Processes-I/ Materials Characterization	Machine Learning and Data Analytics-I	-	-	-	Machine Learning and Data Analytics- I	Machine Learning and Data Analytics- I	-	Materials Characterization	-	Machine Learning and Data Analytics- I	-	-	-	-
14-10-2020 Wednesday	-	-	-	-	-	-	-	-	-	-	Optical Communication	-	-	-	-	-	Theory of Plates & Shells	-	-
15-10-2020 Thursday	-	-	-	Chaos in Dynamical Systems	Advanced Joining Processes/ Chaos in Dynamical Systems	Advanced Fluid Dynamics/ Advanced Solid Mechanics/ Machining Science	-	-	-	-	-	-	Accelerator based physics of solids/ Chaos in Dynamical Systems	-	-	-	Infrastructure Maintenance and Rehabilitation	-	-