

# Indian Institute of Technology Bhubaneswar

## Autumn Semester Examination - 2016

B.Tech. (Semester-1)

2:30 PM – 5:30 PM (Afternoon)

Date / Day	Civil Engineering	Computer Science and Engineering	Electrical Engineering	Electronics and Communication Engineering	Mechanical Engineering	Metallurgical and Materials Engineering
21-11-2016 Monday	Mathematics -1					
22-11-2016 Tuesday	Physics					
23-11-2016 Wednesday	Mechanics					
24-11-2016 Thursday	Electrical Technology / Introduction to Programming and Data Structures					
25-11-2016 Friday	Chemistry					
28-11-2016 Monday	Learning English					

# Indian Institute of Technology Bhubaneswar

## Autumn Semester Examination - 2016

### B.Tech. (Semester-3)

09:30 AM – 12:30 PM (Forenoon)

Date / Day	Civil Engineering	Computer Science and Engineering	Electrical Engineering	Mechanical Engineering	Metallurgical and Materials Engineering
21-11-2016 Monday	Introduction to Materials Science and Engineering				
22-11-2016 Tuesday	Introduction to Bio-Science and Technology				
23-11-2016 Wednesday	Probability Statistics and Stochastic Processes	Discrete Structures	Probability Statistics and Stochastic Processes	Transform Calculus	Numerical Methods
24-11-2016 Thursday	Basic Electronics/ Introduction to Electronics				
25-11-2016 Friday	Solid Mechanics	Speaking and Presentation		Fluid Mechanics	Speaking and Presentation
26-11-2016 Saturday	-	Odissi Dance – I	-	-	-
28-11-2016 Monday	Surveying	International Business/ Social Psychology		Theory of Machines - I	International Business
29-11-2016 Tuesday	-	Signals and Systems		-	Thermodynamics of Materials

# Indian Institute of Technology Bhubaneswar

## Autumn Semester Examination - 2016

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

**09:30 AM – 12:30 PM (Forenoon)**

Date / Day	<b>Mechanical Engineering</b>	<b>Civil Engineering</b>	<b>Computer Science and Engineering</b>	<b>Electrical Engineering</b>	<b>Metallurgical and Materials Engineering</b>
<b>23-11-2016</b> <b>Wednesday</b>	-	Probability Statistics and Stochastic Processes	-	-	-

**2:30 PM – 5:30 PM (Afternoon)**

<b>21-11-2016</b> <b>Monday</b>	Control System Technology/ Environmental Pollution Management/ Microcontrollers and Embedded Systems/ Recent advances in composite materials	Applied Thermodynamics/ Control System Technology/ Microcontrollers and Embedded Systems/ Recent advances in composite materials	Applied Thermodynamics/ Control System Technology/ Environmental Pollution Management/ Recent advances in composite materials	Applied Thermodynamics/ Environmental Pollution Management/ Microcontrollers and Embedded Systems/ Recent advances in composite materials	Applied Thermodynamics/ Environmental Pollution Management/ Microcontrollers and Embedded Systems
<b>22-11-2016</b> <b>Tuesday</b>	Data Analytics/ Design of Machine Elements	Current Affairs and General Studies-II/ Emotional Intelligence/ Managerial Economics	Current Affairs and General Studies-II/ Managerial Economics	Electric Machines	Current Affairs and General Studies-II/ Managerial Economics
<b>23-11-2016</b> <b>Wednesday</b>	Heat Transfer	-	Database Systems	Electromagnetic Engineering	Mineral processing
<b>24-11-2016</b> <b>Thursday</b>	-	-	-	-	Chemical metallurgy
<b>25-11-2016</b> <b>Friday</b>	Systems & Control	Water Resources Engineering	Formal Languages and Automata Theory	Measurement and Electronic Instruments	Mechanical properties and testing of materials
<b>28-11-2016</b> <b>Monday</b>	Casting, Welding and Forming	Soil Mechanics	-	-	Phase transformation of materials
<b>29-11-2016</b> <b>Tuesday</b>	-	Design of Reinforced Concrete Structures	Computer Organization and Architecture	Communication Engineering	Corrosion and surface engineering

# Indian Institute of Technology Bhubaneswar

## Autumn Semester Examination - 2016

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

09:30 AM – 12:30 PM (Forenoon)

Date / Day	<b>Civil Engineering</b>	<b>Electrical Engineering</b>	<b>Mechanical Engineering</b>	<b>Computer Science and Engineering</b>
<b>21-11-2016</b> <b>Monday</b>	Design of Transportation Facility and Safety/ Dynamics of Structures/ Structural Dynamics and Earthquake Engineering	Computational Intelligence / Power System Analysis and Operation	Advanced Manufacturing Processes	Computational Intelligence
<b>22-11-2016</b> <b>Tuesday</b>	Banking Theory and Practice/ Operations Management			-
<b>23-11-2016</b> <b>Wednesday</b>	Pavement Material Characterization	-	Engineering Design Optimization	Software Reliability
<b>24-11-2016</b> <b>Thursday</b>	Environmental Engineering/ Environmental Management and Impact Assessment	Image and Video Processing/ Electric Power Quality	Finite Element Methods in Engineering/ Supply Chain Management	Image and Video Processing
<b>25-11-2016</b> <b>Friday</b>	Construction Project Management	Advanced Communication Engineering/ Compiler Design	Computer Aided Design and Manufacturing	Compiler Design
<b>28-11-2016</b> <b>Monday</b>	Ground Improvement /Integrated Watershed Management	Advanced Power Electronics/ Communication Network	-	Networks and Systems Security
<b>29-11-2016</b> <b>Tuesday</b>	Urban Transportation Planning	Power Systems	-	Natural Language Processing

2:30 PM – 5:30 PM (Afternoon)

<b>22-11-2016</b> <b>Tuesday</b>	Current Affairs and General Studies-II/ Data Analytics			Data Analytics
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# Indian Institute of Technology Bhubaneswar

## Autumn Semester Examination - 2016

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

2:30 PM – 5:30 PM (Afternoon)

Date / Day	Atmosphere and Ocean Sciences	Mathematics	Chemistry	Geology	Physics
21-11-2016 Monday	Fundamental of Meteorology & Oceanography	-	Inorganic Chemistry- Structure, Principle and Reactivity	Igneous and Metamorphic Petrogenesis	Mathematical Physics
22-11-2016 Tuesday	-	-	-	-	Introduction to Computational Methods
23-11-2016 Wednesday	Mathematical and Statistical Methods in Climate Science	Probability and Statistics	Concept of Organic Synthesis	-	Electrodynamics I
24-11-2016 Thursday	Dynamics of Atmosphere & Ocean	Linear Algebra	Introduction to Quantum Chemistry	Understanding Earth System	Classical Mechanics
25-11-2016 Friday	Modelling of Dynamical Processes of Ocean and Atmosphere	Computer Programming and Data Structures	-	Computational Geosciences	-
28-11-2016 Monday	Atmospheric Chemistry and Aerosol	Real Analysis	-	Structural Geology	Electronics
29-11-2016 Tuesday	Physics of Atmosphere & Ocean	Discrete Mathematics	Mathematics for Chemists	Advanced Mineralogy & Crystallography	Quantum Mechanics I

# Indian Institute of Technology Bhubaneswar

## Autumn Semester Examination - 2016

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

09:30 AM – 12:30 PM (Forenoon)

Date / Day	Atmosphere and Ocean Sciences	Chemistry	Geology	Mathematics	Physics
21-11-2016 Monday	-	Analytical Chemistry	-	-	Accelerator based physics of solids
22-11-2016 Tuesday	Tropical Cyclone and Storm Surge Modelling		Ore Geology	Functional Analysis	Nuclear and Particle Physics
23-11-2016 Wednesday	Micro Meteorology and Oceanography	Chemical Biology of Receptors	Coal and Petroleum Geology	Numerical Solution of Ordinary and Partial Differential Equations	-
24-11-2016 Thursday	Basics of Fluid Dynamics	Advanced Heterocyclic Chemistry	-	Advanced Complex Analysis	Quantum Field Theory
25-11-2016 Friday	Objective Analysis and Data Assimilation	Physical Methods in Inorganic Chemistry	Tectonics and Crustal Evolution	Optimization Techniques	Methods in Experimental Nuclear and Particle Physics
28-11-2016 Monday	Satellite Oceanography	Statistical Mechanics for Chemists	-	Advanced Matrix Theory	Non Equilibrium Phenomena in Physics
29-11-2016 Tuesday	Atmospheric Diffusion, Air and Water Pollution	Solid State Chemistry	Geothermal Energy	Continuum Mechanics	Condensed Matter Physics

# Indian Institute of Technology Bhubaneswar

## Autumn Semester Examination - 2016

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

09:30 AM – 12:30 PM (Forenoon)

Date / Day	Climate Science and Technology	Electronics and Communication Engineering	Materials Science and Engineering	Mechanical Systems Design	Power System Engineering	Structural Engineering	Thermal Science and Engineering	Transportation Engineering
21-11-2016 Monday	Advanced Computational Fluid Dynamics /Advanced Thermodynamics	Computational Intelligence	Advanced physical metallurgy/ Ceramic materials	Vibrations	Power System Analysis and Operation	Dynamics of Structures	Advanced Thermodynamics	Design of Transportation Facility and Safety
22-11-2016 Tuesday		Mathematical Methods		Applications of Linear Algebra in Mechanical Engineering/ Operations Management	Mathematical Methods		Applications of Linear Algebra in Mechanical Engineering/ Operations Management	Mathematical Methods
23-11-2016 Wednesday	Science of Climate and Climate Change		Mineral beneficiation/ Transport phenomena	Engineering Design Optimization/ Robotics and Automation			Engineering Design Optimization	Pavement Material Characterization
24-11-2016 Thursday	Dynamics of Atmosphere and Ocean	Image and Video Processing	Advanced Thermodynamics and Kinetics	Finite Element Methods in Engineering	Electric Power Quality	Finite Element Methods in Engineering	Finite Element Methods in Engineering/ Micro & Nano scale Heat Transfer	Environmental Management and Impact Assessment
25-11-2016 Friday	Earth and Its Interior	Advanced Communication Engineering	Materials Characterization	Advanced Solid Mechanics	Renewable and Distributed Energy Sources	Construction Project Management	Advanced Fluid Dynamics	Construction Project Management
28-11-2016 Monday	Mathematical and Statistical Methods in Earth System Sciences	Communication Network	Materials Processing	-	Advanced Power Electronics	-	Computational Methods in Thermal and Fluids Engineering	Ground Improvement
29-11-2016 Tuesday	Physics of Atmosphere and Ocean	Optical Communication		-		Advanced Structural Analysis		Urban Transportation Planning

# Indian Institute of Technology Bhubaneswar

## Autumn Semester Examination - 2016

Ph.D.

09:30 AM – 12:30 PM (Forenoon)

Date	Basic Sciences	Earth, Ocean and Climate Sciences	Electrical Sciences	Mechanical Sciences	Minerals, Metallurgical & Materials Engineering	Infrastructure
21-11-2016 Monday	Accelerator based physics of solid	Advanced Computational Fluid Dynamics	Computational Intelligence	Advanced Computational Fluid Dynamics/ Computational Intelligence	-	Design of Transportation Facility and Safety
22-11-2016 Tuesday	Research Methodology and Data Analysis		Mathematical Methods/ Research Methodology and Data Analysis	Applications of Linear Algebra in Mechanical Engineering/ Research Methodology and Data Analysis	Research Methodology and Data Analysis	-
23-11-2016 Wednesday	Chemical Biology of Receptors/ Numerical Solution of Ordinary and Partial Differential Equations	-	-	-	-	-
24-11-2016 Thursday	Advanced Complex Analysis	Dynamics of Atmosphere and Ocean	Image and Video Processing/ Electric Power Quality	Finite Element Methods in Engineering/ MICRO/NANO SCALE HEAT TRANSFER	Advanced Thermodynamics and Kinetics/ Finite Element Methods in Engineering	Finite Element Methods in Engineering
25-11-2016 Friday	Advanced Fluid Dynamics/ Physical Methods in Inorganic Chemistry	-	Advanced Communication Engineering/ Renewable and Distributed Energy Sources	-	Materials Characterization	-
28-11-2016 Monday	Computational Methods in Thermal and Fluids Engineering/ Non Equilibrium Phenomena in Physics	Mathematical and Statistical Methods in Earth System Sciences	Communication Network/ Power Electronics and Distributed Generation	Computational Methods in Thermal and Fluids Engineering	Materials Processing	Integrated Watershed Management
29-11-2016 Tuesday	English for Technical Writing	English for Technical Writing/ Physics of Atmosphere and Ocean	Optical Communication/ English for Technical Writing	English for Technical Writing		



# Indian Institute of Technology Bhubaneswar

## Autumn Semester Examination - 2016

2:30 PM – 5:30 PM (Afternoon)

21-11-2016 Monday	Mathematical Physics					
22-11-2016 Tuesday	-	-	-	Data Analytics	-	Data Analytics