

NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA-769008 (ODISHA)

Ref. No. NITR/AC/EXAM./12/M/_____

Date: _____

**Revised Programme for B. Tech,Dual Degree B.Tech & M.Tech,Integrated M.Sc, M.Sc and
MA Mid-Semester (Spring) Examination, 2011-12.**

Date/Day	FIRST SESSION (8.30 AM -10.30 AM)			SECOND SESSION (1.30 PM -3.30 PM)		
	Sl. No.	Course Code	Course Name	Sl. No.	Course Code	Course Name
22.02.2012 (Wednesday)	1	PH-102	Physics-II	1	BM-254	Cell & Molecular Biology (BM/BT)
	2	CY-512	Structure & Functions of Biomolecules	2	CY-214	Basic Organic Chemistry-I (CY/MA/PH)
	3	MA-402	Measure Theory	3	CH-226	Fuels and Combustion
	4	PH-402	Numerical Technique in Physics	4	CE-202	Surveying
	5	LS-403	Immunology	5	EE-240	Meas. & Electronic Instrumentation.
	6	BM-312	Biomedical Instrumentation (BM)	6	ME-210	Design of Machine Elements (ME/ID)
	7	BM-342	Industrial Microbiology (BT)	7	MM-212	Casting & Solidification of Materials
	8	CH-330	Pertroleum Refinery Engg. & Petrochemicals	8	MN-202	Mine Surveying
	9	CE-312	Design of Steel Structures	9	CS-222	Database Management System
	10	EE-322	Control System-I	10	EC-204	Semiconductor Devices (EI&EC)
	11	ME-330	Metal Cutting & Tool Design	11	CR-230	Science of Ceramic Materials
	12	MM-314	Heat Treatment of Metallic Materials	12	BM-326	Surface Engineering of biomaterials (BM)
	13	MN-322	Geomechanics	13	CH-422	Simulation Mod. & Opt. of Chem. Process
	14	CS-312	System Analysis Design	14	CE-412	Prestressed Concrete
	15	EC-332	Electronic Instrumentation (EI/EC)	15	EE-406	High Voltage DC Transmission
	16	CR-310	Refractory Technology	16	ME-414	Mechatronics
	17	HS-500	Research Methodology	17	MM-435	Fracture Mechanics & Failure Analysis
	18	MA-326	Statistical Method (CY/MA/PH)	18	MN-400	Mine Planning
23.02.2012 (Thursday)				19	CS-412	Software Engg.
				20	EC-430	Industrial Electronics & Instrumentation(EI)
				21	EC-442	A.T.D.S.P. (EC)
				22	CR-424	Composite Materials
				23	PH-562	Super Fluidity & Super Conductivity
				24	CY-514	Environmental Chemistry
				25	MA-502	Functional Analysis
				26	BM-641	Immunology (BT)
				27	LS-513	Enzymology & Metabolism
				28	HS-544	Environment and Development
	1	CE-100	Engineering Mechanics	1	BM-232	Biofluid Mechanics (BT)
	2	CE-130	Env. & Safety Engg.	2	CH-212	Fluid Dynamics (CH)
	3	CY-522	Chemistry of Transition & Non-transition Elements	3	CE-212	Structural Analysis
	4	PH-404	Electrodynamics	4	EE-204	Electro Magnetic Field
	5	MA-404	Functions of Complex Variable	5	ME-230	Primary Production Process
	6	LS-404	Molecular Biology & Biotechnology	6	MM-220	Unit Process of Extraction
	7	HS-542	Poverty, Inequality & Human Dev.	7	MN-204	Mining Machinery
	8	BM-314	Biomedical Image Processing (BM)	8	CS-242	Comp. Org. & Architecture
	9	CH-334	Process Dynamics & Control (CH)	9	EC-202	Digital Electronics (EI&EC/BM)
	10	CH-334	Process Dynamics & Control (BT)	10	CR-212	Ceramic Processing
	11	CE-322	Geo-Technical Engineering	11	CY-234	Basic Physical Chemistry-II
	12	EE-312	Switch Gear & Protective Devices	12	MA-224	Linear Programming & Theory of Games
	13	ME-350	Heat Transfer	13	PH-204	Introduction to Mechanics
	14	MM-324	Steel Making	14	ID-222	Geometric and Solid Modelling
	15	MN-313	Underground Mining Technology	15	BM-462	Structural Biology (BM/BT)
	16	CS-336	Digital Signal Processing	16	CH-434	Project Engineering
	17	EC-334	Instrumentation Devices (EI)	17	CE-452	Water Resources Engineering

18	EC-314	Digital Communication (EC)	18	EE-404	Renewable Energy System
19	CR-322	Glass Technology	19	ME-434	Computer Graphics for CAD /CAM
20	CY-313	Natural Products	20	MM-446	Composite Materials
21	MA-324	Number Theory	21	MN-435	Eco-friendly Mining
22	PH-204	Introduction to Mechanics	22	CS-435	Artificial Intelligence
			23	EC-424	Embedded Computing System (EI/EC)
			24	CR-426	Tribology of Materials
			25	CY-526	Bioinorganic Chemistry
			26	PH-554	Physics of Thin Film Technology
			27	MA-554	Graph Theory
			28	LS-581	Cancer Biology
			29	LS-530	Aquatic Biology & Marine Biotechnology
			30	LS-531	Epigenetics
			31	LS-532	Molecular Medicine
			32	LS-582	Molecular Biophysics
			33	HS-534	Natural Resource Management and Sustainable Development

Date/Day	FIRST SESSION (8.30 AM -10.30 AM)			SECOND SESSION (1.30 PM -3.30 PM)		
	Sl. No.	Course Code	Course Name	Sl. No.	Course Code	Course Name
24.02.2012 (Friday)	1	MA-102	Mathematics-II	1	MA-202	Mathematics-IV (All Branches)
	2	CY-532	Chemical Kinetics & Photochemistry	2	BM-658	Computational Fluid Dynamics in Bio Engg. (BM)
	3	PH-406	Condensed Matter Physics	3	BM-391	Special Topics in Biotechnology and Medical Engineering-I(BT)
	4	MA-524	Statistical Methods	4	CH-428	Disaster Management in Chemical Industries
	5	LS-441	Biostatistics	5	CE-421	Ground Improvement Techniques
	6	HS-532	Planning & Policy Issues in India	6	EE-454	Digital Communication
	7	BM-322	Biomechanics (BM)	7	ME-440	Industrial Management
	8	CH-336	Chemical Engineering Mathematics	8	MM-468	Joining of Materials
	9	CE-342	Transportation Engg.	9	MN-442	Mine Fires & Spontaneous Heating
	10	MM-352	Material Characterization Technique	10	CS-434	Image Processing
	11	MN-332	Remote Sensing & its Applications.	11	EC-436	Biomedical Instrumentation (EI)
	12	CS-332	Algorithms Analysis and Design	12	EC-412	Antenna Analysis & System
	13	EC-312	Electromagnetic Theory (EI/EC)	13	CY-558	Organometallic Chemistry
	14	CR-346	Nano Ceramics	14	PH-508	Atomic & Molecular Physics
	15	CY-323	Basic Inorganic Chemistry-II	15	MA-556	Number Theory
	16	CY-322	Basic Inorganic Chemistry-I(MA/PH)	16	CR-446	Thin Film and Coating

27.02.2012 (Monday)	1	EE-101	Basic Electrical Technology	1	BM-202	Basic Clinical Science (BM)
	2	EC-100	Basic Electronics	2	CH-220	Chemical Engg. Thermodynamics. (BT/CH)
	3	MA-522	Operation Research (MA & CR)	3	CE-252	Fluid Mechanics
	4	PH-408	Quantum Mechanics-II	4	EE-242	Digital Electronics & Microprocessor
	5	CY-535	Electro Chemistry	5	EE-202	Electrical Engineering (ME/EI/EC)
	6	LS-423	Advanced Techniques	6	MM-227	Fuel Technology
	7	HS-533	Social, Anthropological Political Perspective in Development	7	MN-205	Mineral Exploration
	8	BM-368	Bio Informatics (BT)	8	CS-335	Computer Graphics & Multimedia
	9	CH-312	Transport Phenomena	9	ID-232	Engg Materials & Heat Treatment Process
	10	CE314	Structural Dynamics	10	CR-244	Introduction to Engg. Materials
	11	CE-318	Finite Element Method	11	CR-248	Fuels, Furnance and Stoichiometry
	12	EE-336	Advanced Instrumentation	12	PH-202	Electricity & Magnetism (CY/MA/PH)
	13	EE-356	Digital Signal Processing	13	EC-443	Digital Image Processing (EI/EC)
	14	ME-354	Refrigeration & Air Conditioning	14	CR-641	Nanomaterials
	15	MM-359	Engg. Polymers & its Applications	15	CH-426	Coal Processing Technology
	16	MN-330	Mine Ventilation	16	CY-519	Methods in Organic Synthesis

	17	CS-336	Systems Software	17	EE-408	Electromagnetic Field Theory
	18	EC-322	Embedded System (EI/EC)	18	BM-632	Artificial organ and Rehabilitative Engineering (BM)
	19	CR-336	Cement Technology			
	20	PH-302	Properties of Matter (MA/CY/PH)			
28.02.2012 (Tuesday)	1	HS-523	Educational Psychology	1	EC-440	Soft Computing Techniques
	2	HS-538	Urban Govranance and Development	2	EE-308	Utilization of Electrical Energy
	3	CE-302	Disaster Management	3	EE-428	Electrical Drives
	4	CH-228	Treatment of Industrial Effluents	4	HS-311	Communicative English
	5	CH-338	Industrial Instrumentation and Process Control	5	HS-321	Organisational Behaviour
	6	CH-418	Recent Separation Technologies	6	HS-327	Cognitive Science
	7	CR-249	Material Science & Engineering	7	HS-418	Language and Writing
	8	CR-339	Ceramics in Electronic Applications	8	ID-230	Production Management
	9	CS-343	Digital Logic Design	9	MA-312	Real Analysis
	10	CY-232	Chemical Kinetic	10	MA-424	Operations Research
	11	MM-358	Experimental Techniques in Materials Engineering	11	ME-300	Finite Element Analysis
				12	ME-430	Industrial Management
				13	ME-436	Entrepreneurship
				14	MM-318	Principles and Practice of Heat Treatment
				15	CY-431	Chemistry of Nanomaterials
				16	MM-448	Advanced Engineering Materials
				17	PH-312	Physics of Quantum World
				18	PH-462	Vaccum Science & Applications
				19	SM-502	Human Resource Management
				20	SM-602	Busines Ethics and Corporate Governance
Date & Day	FIRST SESSION (8.30 AM -10.30 AM)			SECOND SESSION (1.30 PM -3.30 PM)		
	Sl. No.	Course Code	Course Name	Sl. No.	Course Code	Course Name
29.02.2012 (Wednesday)	1	MN-304	Computer Application in Mining	1	CS-102	Data Structure & Algorithm
	2	EC-444	Soft Computing (EC)	2	BM351	Genetic Engineering (BM)
	3	CR-320	Science of Sintering	3	CS-333	Operating Systems
	4	CS-334	Operating System & Design	4	CS-326	Data Communication and Computer Networks
	5	MN-421	Rock Slope Technology	5	CH332	Process Equipment Design
	6	EC-439	Advanced Process Control (EI)	6	MN336	Solid Fuels and Clean Coal Technology
	7	EE-324	Power Electronics			
	8	ME-352	Fluid Dynamics & Hydraulics Machines			

N.B: Omission & clashes, if any, may please be brought to the notice of the Assistant Registrar (Academic) / Professor In-charge Examinations.

Sd/-

Asst. Registrar(Academic)

Copy to: -

- 1 All Notice Boards (Institute/Halls of Residence).
- 2 All Deans/ Chief Warden
- 3 Registrar.
- 4 Professor In-charge Examinations
- 5 All Wardens of Halls
- 6 All HODs are requested to send the question papers in sealed packets (packets supplied by Academic Office) containing required number of question papers Hall wise (actual student strength in the hall + 05 extra) as per the Hall arrangement list latest by 14.02.2012. On the packet containing questions the HODs/ concerned faculty members are requested to clearly state the list of requisite tables, codes, charts etc, to be supplied to the student by the academic office during the examination.
- 7 Security Officer.
- 8 In-charge Technical Service.