

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA

EXAMINATION BRANCH: KAKINADA – 500 033

M.Tech I semester 09 Regulations – (09 Admitted onwards) Regular & Suppl., Examinations – April, 2012

T I M E T A B L E

Time: 10.00 AM to 1.00 PM

BRANCHES/ Specializations	16.04.2012 Monday	18.04.2012 Wednesday	20.04.2012 Friday	23.04.2012 Monday	25.04.2012 Wednesday	27.04.2012 Friday	30.04.2012 Monday	02.05.2012 Wednesday	04.05.2012 Friday
BIO TECHNOLOGY (03-B.T.)	Advanced Micro Biology	Advanced Bio- Chemistry	Advanced Bio-Chemical Engineering	Advanced Downstream Processing	Bio-Analytical Techniques	--	---	---	---
					Bio-Informatics				
CIVIL STRUCTURAL ENGINEERING	Advanced Applied Mathematics	Theory of Elasticity and Plasticity	Matrix Analysis of Structures	Theory and Plates and Shells	Elective-I Experimental Stress Analysis	Elective-II Advanced Concrete Technology	---	---	---
					Foundation Engineering-I	Offshore Construction			
					Optimization in Structural Design	Plastic Analysis and Design			
CIVIL TRANSPORTATION ENGINEERING	Applied Numerical Methods	Pavement Materials and Construction	Traffic Engineering	Design and Evaluation of Pavements	Optimization Techniques	Elective -I Transportation Structures	---	---	---
						Ground Improvement Techniques			
						Environmental Impact Assessment			

MECHANICAL CAD/CAM (04)	Advances in Manufacturing Technology	Computer Integrated Manufacturing	Geometric Modeling	Finite Element Methods	Elective – I Non Destructive Evaluation	Elective – II Design for Manufacturing	---	---	---
					Computational Methods	Computer Aided Process Planning			
					Nano- Technology	Mechatronics			
					Quality Engg. & Manufacturing	Fracture Fatigue & Creep Deformation			
MECHANICAL MACHINE DESIGN (15)	Advanced Mechanisms	Advanced Mechanisms of Solids	Geometric Modeling	Finite Element Methods	Elective – I Continuum Mechanics & Tensor Analysis	Elective – II Fracture, Fatigue & Creep deformation	---	---	---
					Computational Methods	Materials Technology			
					Tribology	Gear Engineering			
					Non Destructive Evaluation	Design for Manufacturing			
MECHANICAL THERMAL ENGINEERING	Optimization Techniques & Applications	Advanced Thermodynami cs	Advanced Heat & Mass Transfer	Advanced Fluid Mechanics	Turbo- Machines	Advanced I.C. Engines	---	---	---
					Cryogenics Engineering	Non- Conventional Energy Sources			
					Solar Energy Technology	Material Science			
C S E COMPUTER SCIENCE ENGG & COMPUTURE SCIENCE (58) & (05)	Data Structures and Algorithm Analysis	Mathematical Foundation of Computer Science	Computer Organization and Architecture	Database Management Systems	Operating Systems	Object Oriented Programming	--	--	---
C S E INFORMATION TECHNOLOGY (40)	Advanced Data Structures and Algorithms	Scalable Parallel Computing Architectures	Distributed Operating Systems	Data Mining and Knowledge Discovery	Code Optimization	Secured Database Application Development	---	---	---

C S E NEURAL NETWORKS (69)	Data structures and Algorithm Analysis	Artificial Neural Networks	Computer Organization and Architecture	Database Management Systems	Operating Systems	Artificial Intelligence and Soft Computing	---	---	---
C S E SOFTWARE ENGINEERING (25)	Advanced Data Structures and Algorithms	ERP & Supply Chain Management	Software Quality Assurance & Testing	Software Requirement & Estimation	Mobile Computing	Elective – I Business Process Modeling	Web Technologies	---	---
CSE COMPUTE NETWORKS AND INFORMATION SECURITY (84)	Advanced Networking Concepts	Applied Cryptography	Distributed Architectures & Middleware Technologies	Penetration testing and Network Defense	Software Architecture and Process Management	Embedded Systems and Real Time Systems Date Warehousing and Mining	Web Technologies	---	---
					Multimedia & Application Development	Advanced Databases			
					Computer Forensics and Investigations	Grid and Cluster Computing			
CSE COMPUTE NETWORKS (88)	Network Programming	Network Security	Computer communication s	Internetworkin g with TCP/IP	Mobile Computing	Wireless Communicatio ns and Networks	--	---	---
E C E DECS (38)	Elective – I Advanced Digital Signal Processing	VLSI Technology and Design	Digital Data Communication	Elective – II Embedded & Real Time Systems Coding Theory & Practice	Digital System Design	Detection & Estimation of Signals	Elective-I Transform Techniques	----	---
E C E DIGITAL IMAGE PROCESSING (63)	Advanced Digital Signal Processing	Elective – II VLSI Technology and Design	Elective – I Digital Data Communication s Embedded Software Design	Coding Theory and Practice	Image Processing	Elective – II Networks Security and Cryptography	Transform Techniques	Elective – I Neural Network & Applications	Elective – II Hardware Software Co- Design

E C E DSCE (06)	--	VLSI Technology & Design	Elective – I Digital Data Commutations	Elective – II Embedded & Real Time Systems	Digital System Design	Elective – II Networks Security and Cryptography	Advanced Computer Architecture	---	Advanced Operating System
E C E ECE (70)	Elective – I Advanced Digital Signal Processing	VLSI Technology & Design	Digital Data Communicatio ns	Elective – II Embedded & Real Time Systems Coding Theory & Practice	Statistical Signal Processing	Detection & Estimation of Signals	Elective – I Transform Techniques	---	---
E C E ES (55)	Embedded Systems Concepts	VLSI Technology and Design	Elective – I Embedded Software Design	Elective – II Embedded & Real Time Systems		Elective – I VHDL Modeling of Digital Systems	Embedded Systems Design	Analog and Digital IC Design	Elective – II Hardware Software Co- Design
E C E SSP (45)	Elective – I Advanced Digital Signal Processing	VLSI Technology and Design	Digital Data Communicatio n	Coding Theory and Practice	Statistical Signal Processing	Elective – II Image and Video Processing	Elective – I Transform Techniques	Elective – II Neural Networks and Applications	---
E C E VLSI & ES (68)	Embedded Systems Concepts	VLSI Technology and Design	Elective – I Embedded Software Design	--	Elective – I Digital System Design	Elective – II VHDL Modeling of Digital Systems	Embedded Systems Design	Analog And Digital IC Design	Elective – II Hardware Software Co- Design
E C E VLSID & VLSD/VLSI (72 & 57)	Embedded Systems Concepts	VLSI Technology and Design	Elective – I Digital Data Communicatio ns	--	Digital System Design	Elective – I VHDL Modeling of Digital Systems	Elective – II Electronic Design Automation Tools Embedded Systems Design	Analog and Digital IC Design	---

E C E MICROWAVE & COMMUNICATION ENGINEERING	Time- Harmonic Electromagne tic Fields	Fiber Optic Components, Devices & Measurements	Optical Communicatio n & Networks	Elective-II Coding Theory and Practice	Elective-I Planer Transmission Lines & Microwave Integrated circuits	Elective-II RF Circuit Design	Antenna arrays and Synthesis	--	---
					Advanced Digital Communicati on				
E E E POWER ELECTRONICS (43)	Electrical Machine Modeling and Analysis	Analysis of Power Electronic Converters	-----	Microcontrolle r & Applications	Elective – I Modern Control Theory	Elective – II Special Machines and Controls	---	Power Electronic Control of DC Drives	---
					Power Semiconduct or Devices & Protection	Renewable Energy Sources			
E E E POWER ELECTRONICS AND DRIVES	Electrical Machine Modeling and Analysis	Analysis of Power Electronic Converters	-----	Microcontrolle r & Applications	Elective – I Modern Control Theory	Elective – II Special Machines and Controls	---	Power Electronic Control of DC Drives	---
					Power Semiconduct or Devices & Protection	Renewable Energy Sources			
E E E POWER ELECTRONICS AND ELECTRI DRIVES (54)	Electrical Machine Modeling and Analysis	Analysis of Power Electronic Converters	-----	Microcontrolle r & Applications	Elective – I Modern Control Theory	Elective – II Special Machines and Controls	---	Power Electronic Control of DC Drives	---
					Power Semiconduct or Devices & Protection	Renewable Energy Sources			
E E E POWER AND INDUSTRIAL DRIVES (42)	Electrical Machine Modeling and Analysis	Analysis of Power Electronic Converters	-----	Microcontrolle r and Applications	Elective – I Modern Control Theory	Elective – II Special Machines and Controls	---	Power Electronic Control of DC Drives	---
					Power Semiconduct or Devices & Protection	Renewable Energy Sources			

EEE POWER SYSTEMS WITH EMPHASIS ON HV ENGG	--	High Voltage Power Apparatus and Diagnostics	--	Elective – II Reactive Power Compensation & Management	Elective – I High Voltage Systems using EMTP Analysis	Dielectric and Insulation Engineering	Generation and Measurement of High Voltages	HVDC Transmissions	Elective – II Microprocess ors & Microcontrol lers
POWER ELECTRONICS AND POWER SYSTEMS (99)	Power System Operation and Control	Analysis of Power Electronic Converters	Electrical Distribution System	Reactive Power Compensation & Management	-----	Special Machines and Controls	-----	Power Electronic Control of DC Drives	-----
EEE POWER SYSTEMS (56)	Power System Operation and Control	-----	Elective – I Electrical Distribution System	Reactive Power Compensation & Management	Elective – II AI Techniques	---	Elective – I EHVAC Transmission s	HVDC Transmissions	Microprocess ors & Microcontrol lers
					Power system Security		Power Quality		
					Advanced DSP				
EEE P.S. CONTROL AND AUTOMATION (53)	Power System Operation and Control	-----	Elective – I Electrical Distribution System	Reactive Power Compensation & Management	Elective – II AI Techniques	--	Elective – I EHVAC Transmission s	HVDC Transmissions	Microprocess ors & Microcontrol lers
					Power system Security		Power Quality		
					Advanced DSP				
EEE ELECTRICAL MACHINES AND DRIVES (44)	Electrical Machine Modeling and Analysis	Analysis of Power Electronic Converters	-----	Microcontrolle r & Applications	Elective – I Modern Control Theory	Elective – II Special Machines and Controls	---	Power Electronic Control of DC Drives	---
				Power Semiconduct or Devices & Protection	Renewable Energy Sources				
CHEMICAL ENGINEERING (51)	Applied Numerical Methods	Advanced Chemical Reaction Engg	Advanced Transport Phenomena	Advanced Bio Process Engineering	Nano- Technology	--	--	--	--
				Enzyme and Microbial Technology					
				Industrial Microbial Products					

CONTROL SYSTEMS (95)	Advanced Control theory	Digital Control Systems	Random Variable Stochastic Process	Micro Controller & Applications	Elective – I Computer Controlled Systems	Elective – II System Identifications and Parameter Estimations Computation	---	---	---
					Control of Special Machines	Techniques and Optimization			
NANO TECHNOLOGY (96)	Structure, Bonding and Quantum mechanics of electronics	Synthesis of Nanomaterials	Science and technology of Thin-film	Nano Biotechnology, materials and devices	Numerical methods and Advanced Computing Techniques	Elective – I Nanotechnology for energy systems	----	---	----
						Surface sciences and advanced catalysis			
						Thermodynamics			
COMMUNICATION AND SIGNAL PROCESSING (80)	Digital Signal Processing	Elective – II VLSI Technology & Design	Digital Data Communications	Coding Theory and Practice	Elective – I Radar Signal Processing	Elective – II Micro Controller Applications	Elective – I Transform Techniques	Communication Theory	----

- NOTE: (i) If Government declares holiday on any of the above dates, the examinations will be conducted as usual
(ii) Any omissions or clashes in this Time Table may please be informed to the Controller of Examinations immediately.
(iii) The Principals are requested to inform the University, if any other substitute subjects that are not included in the above list immediately.

Date:28-03-2012

A.m. prasad
Controller of Examinations

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M.Tech I semester 10 Regulations – (10 Admitted Batch only) Regular Examinations – Mar/ April, 2011

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BIO TECHNOLOGY (03-B.T.)	Microbial Technology	Metabolic Engineering	Bioprocess Engineering	Enzyme Engineering & Fermentation Technology	Elective-I Molecular Fundamentals of Biology	Elective-II Immuno technology	----	----	---
					Chemical Plant & Equipment Design	Nano Biotechnology			

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