JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
BIOTECHNOLOGY~03	MICROBIAL ENGINEERING	MOLECULAR BIOLOGY AND GENETIC ENGINEERING	ENZYME ENGINEERING AND TECHNOLOGY	ELECTIVE-C1 INDUSTRIAL BIOTECHNOLOGY BIOCHEMICAL AND BIOPHYSICAL TECHNIQUES	ELECTIVE-C2 BIOCHEMISTRY AND METABOLIC REGULATION PROCESS ENGINEERING PRINCIPLES TISSUE ENGINEERING AND STEM CELL TECHNOLOGY	OPEN ELECTIVE BIOBUSINESS MANAGEMENT ENVIRONMENTAL BIOTECHNOLOGY		ELECTIVE-C1 BASIC ENGINEERING MATHEMATICS
CAD/CAM~04	ELECTIVE-C2 COMPUTER AIDED PROCESS PLANNING	COMPUTER AIDED MANUFACTURING	ADVANCED FEM	ELECTIVE-C1 STRESS ANALYSIS AND VIBRATION RAPID PROTOTYPING TECHNOLOGIES MECHANICAL BEHAVIOUR OF MATERIALS	OPEN ELECTIVE NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS PRODUCTION AND OPERATIONS MANAGEMENT	ELECTIVE-C2 AUTOMATION IN MANUFACTURING	ELECTIVE-C2 PERFORMANCE MODELING AND ANALYSIS OF MANUFACTURING SYSTEMS	ADVANCED CAD

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
COMPUTER SCIENCE~05	DATA STRUCTURES AND ALGORITHMS	DATABASE INTERNALS		ELECTIVE-C1 INTERNET OF THINGS CLOUD COMPUTING ANDROID APPLICATION DEVELOPMENT NETWORK SECURITY	ELECTIVE-C2 PARALLEL AND DISTRIBUTED ALGORITHMS MACHINE LEARNING EMBEDDED SYSTEMS	OPEN ELECTIVE R-PROGRAMMING MOBILE COMPUTING LINUX PROGRAMMING JAVA PROGRAMMING INTELLECTUAL PROPERTY RIGHTS INFORMATION SECURITY AND AUDIT E – COMMERCE COMPUTER FORENSICS BIOMETRICS BIG DATA ANALYTICS ALGORITHMICS ANDROID APPLICATION DEVELOPMENT MOBILE APPLICATION SECURITY OPEN STACK CLOUD COMPUTING OPERATIONS RESEARCH WEB USABILITY STORAGE AREA NETWORKS SOFTWARE ENGINEERING SOCIAL MEDIA INTELLIGENCE SCRIPTING LANGUAGES	ELECTIVE-C2 SOFTWARE ARCHITECTURE AND DESIGN PATTERNS	DISTRIBUTED SYSTEMS

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
						PRINCIPLES OF INFORMATION SECURITY BIOINFORMATICS		
DIGITAL SYSTEM & COMPUTER ELECTRONICS~06	DIGITAL SYSTEM DESIGN	OPEN ELECTIVE SOFT COMPUTING TECHNIQUES CODING THEORY AND TECHNIQUES NANO ELECTRONICS	ADVANCED DATA COMMUNICATIONS	ELECTIVE-C1 EMBEDDED SYSTEM DESIGN HARDWARE SOFTWARE CO-DESIGN	VLSI TECHNOLOGY AND DESIGN	ELECTIVE-C2 DESIGN OF FAULT TOLERANT SYSTEMS CMOS DIGITAL INTEGRATED CIRCUIT DESIGN INTERNETWORKING		ELECTIVE-C1 IMAGE AND VIDEO PROCESSING
ELECTRICAL POWER SYSTEM~07	ADVANCED POWER SYSTEM ANALYSIS	ADVANCED POWER SYSTEM PROTECTION	MODERN CONTROL THEORY	ELECTIVE-C1 ADVANCED DIGITAL SIGNAL PROCESSING		OPEN ELECTIVE HVDC TRANSMISSION RENEWABLE ENERGY SYSTEMS DIGITAL CONTROL SYSTEMS OPTIMIZATION TECHNIQUES EMBEDDED SYSTEMS ANALYSIS OF POWER CONVERTERS	ELECTIVE-C2 DISTRIBUTION AUTOMATION POWER QUALITY MICROCONTROLLERS AND APPLICATIONS	ELECTIVE-C1 EHV AC TRANSMISSION HIGH VOLTAGE ENGINEERING
ENERGY SYSTEMS~10	APPLIED THERMODYNAMICS	RENEWABLE ENERGY TECHNOLOGIES	APPLIED HEAT TRANSFER	ELECTIVE-C1 COMPUTATIONAL FLUID DYNAMICS DESIGN AND OPTIMIZATION OF ENERGY SYSTEMS INSTRUMENTATION & CONTROL ENGINEERING	ELECTIVE-C2 ELECTRICAL ENERGY MANAGEMENT & CONSERVATION APPLIED FLUID MECHANICS THERMAL ENERGY MANAGEMENT & CONSERVATION	OPEN ELECTIVE BIO CONVERSION & PROCESSING OF WASTE ENERGY POLICY ECOLOGY AND ENVIRONMENT		

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
ENVIRONMENTAL ENGINEERING~11	ENVIRONMENTAL CHEMISTRY AND MICROBIOLOGY		ELECTIVE-C1 ENVIRONMENTAL HYDROLOGY ENVIRONMENT AND ECOLOGY WATERSHED MANAGEMENT	ADVANCED WASTE WATER TREATMENT	ELECTIVE-C2 ENVIRONMENTAL SYSTEM ENGINEERING SOLID WASTE MANAGEMENT ENVIRONMENTAL SANITATION	OPEN ELECTIVE COMPUTER PROGRAMMING AND NUMERICAL METHODS CLIMATOLOGY OPTIMIZATION TECHNIQUES	ADVANCED WATER SUPPLY SYSTEMS	
GEOTECHNICAL ENGINEERING~12	ADVANCED SOIL MECHANICS	ELECTIVE-C2 ROCK MECHANICS AND ENGINEERING GEO ENVIRONMENTAL ENGINEERING PHYSICAL MODELING IN GEOTECHNICAL ENGINEERING.	GROUND IMPROVEMENT TECHNIQUES.	OPEN ELECTIVE COMPUTER ORIENTED NUMERICAL METHODS ENVIRONMENT AND ECOLOGY REMOTE SENSING & GEOGRAPHICAL INFORMATION SYSTEMS	ADVANCED FOUNDATION ENGINEERING			ELECTIVE-C1 EARTH & ROCKFILL DAMS OPTIMIZATION TECHNIQUES SOIL DYNAMICS AND MACHINE FOUNDATIONS
MACHINE DESIGN~15	ADVANCED MECHANICS OF SOLIDS	ADVANCED MECHANICS OF MACHINERY	ELECTIVE-C1 VIBRATION ANALYSIS OF MECHANICAL SYSTEMS	ELECTIVE-C1 COMPUTER SIMULATION OF MACHINES DESIGN OPTIMIZATION	ELECTIVE-C2 MECHANICS OF METAL FORMING ADVANCED MECHANICS OF COMPOSITE MATERIALS	OPEN ELECTIVE GEOMETRIC MODELING MECHATRONICS	ELECTIVE-II DESIGN FOR MANUFACTURING & ASSEMBLY	THEORY OF ELASTICITY AND PLASTICITY

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
PRODUCTION ENGINEERING~16	THEORY OF METAL CUTTING	ELECTIVE-C1 PRECISION ENGINEERING MACHINE TOOL DESIGN AUTOMATION IN MANUFACTURING	ADVANCED CASTING & WELDING TECHNOLOGIES		ELECTIVE-C2 QUALITY ENGINEERING IN MANUFACTURING SYSTEMS PRODUCTION AND OPERATIONS MANAGEMENT DESIGN FOR MANUFACTURING & ASSEMBLY	OPEN ELECTIVE INDUSTRIAL ROBOTICS	ADVANCED METAL FORMING	OPEN ELECTIVE INTELLIGENT MANUFACTURING SYSTEMS
STRUCTURAL ENGINEERING~20	THEORY OF ELASTICITY AND PLASTICITY	THEORY OF PLATES	ADVANCED STRUCTURAL ANALYSIS	ELECTIVE-C2 PLASTIC ANALYSIS & DESIGN	ELECTIVE-C1 TALL BUILDINGS ADVANCED FOUNDATION ENGINEERING ADVANCED CONCRETE TECHNOLOGY	OPEN ELECTIVE EXPERIMENTAL STRESS ANALYSIS RELIABILITY ENGINEERING	OPEN ELECTIVE COMPUTER ORIENTED NUMERICAL METHODS	E-2 ADVANCED R.C.DESIGN BRIDGE ENGINEERING
THERMAL ENGINEERING~21	ADVANCED THERMODYNAMICS	ADVANCED I.C. ENGINES	ADVANCED FLUID MECHANICS	OPEN ELECTIVE NANOFLUIDS ADVANCED OPTIMIZATION TECHNIQUES & APPLICATIONS	ELECTIVE-C2 THERMAL AND NUCLEAR POWER PLANTS THERMAL MEASUREMENTS & PROCESS CONTROLS ADVANCED MATERIALS FOR THERMAL SYSTEMS	ELECTIVE-C1 REFRIGERATION & AIR CONDITIONING	ELECTIVE-C1 TURBO MACHINES	NON CONVENTIONAL ENERGY SOURCES

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
TRANSPORTATION ENGINEERING~22	TRAFFIC ENGINEERING AND MANAGEMENT	URBAN TRANSPORTATION PLANNING AND MANAGEMENT	PAVEMENT MATERIAL CHARACTERIZATION	ELECTIVE-C1 TRANSPORTATION SYSTEM MANAGEMENT ENGINEERING OF GROUND	ELECTIVE-C2 TRANSPORTATION INFRASTRUCTURE DESIGN ADVANCED CONCRETE TECHNOLOGY	OPEN ELECTIVE APPLIED STATISTICS PROJECT MANAGEMENT REMOTE SENSING AND GIS	ELECTIVE-C2 ROAD SAFETY ENGINEERING	ELECTIVE-C1 BRIDGE ENGINEERING

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
SOFTWARE ENGINEERING~25	DATA STRUCTURES AND ALGORITHMS	ELECTIVE-C2 BIG DATA ANALYTICS	ELECTIVE-C2 OBJECT ORIENTED MODELLING INFORMATION THEORY AND CODING	ELECTIVE-C1 CLOUD COMPUTING INTERNET TECHNOLOGIES AND SERVICES COMPONENT BASED SOFTWARE ENGINEERING DATABASE INTERNALS	SOFTWARE DEVELOPMENT METHODOLOGIES	OPEN ELECTIVE BIG DATA ANALYTICS OPERATIONS RESEARCH PRINCIPLES OF INFORMATION SECURITY SCRIPTING LANGUAGES SOCIAL MEDIA INTELLIGENCE SOFTWARE ENGINEERING STORAGE AREA NETWORKS WEB USABILITY OPEN STACK CLOUD COMPUTING BIOMETRICS COMPUTER FORENSICS BIOINFORMATICS R-PROGRAMMING ALGORITHMICS ANDROID APPLICATION DEVELOPMENT E – COMMERCE INFORMATION SECURITY AND AUDIT INTELLECTUAL PROPERTY RIGHTS JAVA PROGRAMMING LINUX PROGRAMMING	ELECTIVE-C2 WEB MINING	SOFTWARE REQUIREMENTS AND ESTIMATION

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

URSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
						MOBILE COMPUTING MOBILE APPLICATION SECURITY EMBEDDED SYSTEMS		
MICRO WAVE AND RADAR ENGINEERING~30	ADVANCED ELECTROMAGNETIC THEORY	ELECTIVE-C2 RANDOM PROCESSES AND TIME SERIES ANALYSIS EMI/EMC MICROWAVE INTEGRATED CIRCUITS	OPEN ELECTIVE ADVANCED DATA COMMUNICATIONS MICROWAVE ANTENNA THEORY AND DESIGN OPTICAL NETWORKS	ELECTIVE-C1 ADVANCED DIGITAL SIGNAL PROCESSING RADIO NAVIGATIONAL AIDS	RADAR SYSTEMS ENGINEERING		MICROWAVE COMPONENTS AND MEASUREMENTS	ELECTIVE-C1 SATELLITE COMMUNICATIONS
ADVANCED MANUFACTURING SYSTEMS~33	THEORY OF METAL CUTTING	COMPUTER AIDED MANUFACTURING	OPEN ELECTIVE NEURAL NETWORKS & FUZZY LOGIC APPLIED TRIBOLOGY	ELECTIVE-C2 RAPID PROTOTYPING TECHNOLOGIES PRECISION ENGINEERING	ELECTIVE-C1 PRODUCT DATA MANAGEMENT SPECIAL MANUFACTURING PROCESSES	AUTOMATION IN MANUFACTURING	ELECTIVE-I DESIGN FOR MANUFACTURING & ASSEMBLY	ELECTIVE-C2 ADVANCED MECHATRONICS
COMPUTER AND COMMUNICATION ENGINEERING~36	INTERNETWORKING	CODING THEORY AND TECHNIQUES	ADVANCED DATA COMMUNICATIONS	OPEN ELECTIVE ADVANCED DIGITAL SIGNAL PROCESSING EMBEDDED SYSTEM DESIGN	ELECTIVE-C2 WIRELESS MIMO COMMUNICATIONS VOICE OVER INTERNET PROTOCOL RF CIRCUIT DESIGN	ELECTIVE-C1 QUEUEING THEORY AND APPLICATIONS SPREAD SPECTRUM COMMUNICATION	ELECTIVE-C1 DETECTION AND ESTIMATION THEORY	OPEN ELECTIVE IMAGE AND VIDEO PROCESSING

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
CONTROL ENGINEERING~37	MODERN CONTROL THEORY	DIGITAL CONTROL SYSTEMS		ELECTIVE-C1 PROCESS DYNAMICS AND CONTROL PROCESS MODELING AND SIMULATION PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS	ELECTIVE-C2 EMBEDDED SYSTEMS DSP PROCESSOR ARCHITECTURE AND APPLICATIONS	OPEN ELECTIVE ANALYSIS OF POWER CONVERTERS OPTIMIZATION TECHNIQUES DIGITAL CONTROL SYSTEMS RENEWABLE ENERGY SYSTEMS HVDC TRANSMISSION EMBEDDED SYSTEMS	E2 ADVANCED MICROPROCESSORS	ESTIMATION OF SIGNALS AND SYSTEMS.
DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS/ENGG~38	DIGITAL SYSTEM DESIGN	VLSI TECHNOLOGY AND DESIGN	ADVANCED DATA COMMUNICATIONS	ELECTIVE-C2 REAL TIME OPERATING SYSTEMS INTERNETWORKING	ELECTIVE-C1 ADVANCED DIGITAL SIGNAL PROCESSING EMBEDDED SYSTEM DESIGN	OPEN ELECTIVE ADVANCED COMMUNICATIONS AND NETWORKS SPREAD SPECTRUM COMMUNICATION VIRTUAL INSTRUMENTATION	ELECTIVE-C1 DETECTION AND ESTIMATION THEORY	ELECTIVE-C2 ADVANCED COMPUTERE ARCHITECTURE

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
INFORMATION TECHNOLOGY~40	DATA STRUCTURES AND ALGORITHMS	ELECTIVE-C2 BIG DATA ANALYTICS INFORMATION RETRIEVAL SYSTEMS COMPUTER NETWORKING SOFT COMPUTING	ELECTIVE-C1 MULTIMEDIA AND RICH INTERNET APPLICATIONS HUMAN COMPUTER INTERACTION PARALLEL AND DISTRIBUTED ALGORITHMS	INTERNET OF THINGS	DATABASE INTERNALS	OPEN ELECTIVE WEB USABILITY LINUX PROGRAMMING MOBILE COMPUTING MOBILE APPLICATION SECURITY OPEN STACK CLOUD COMPUTING OPERATIONS RESEARCH PRINCIPLES OF INFORMATION SECURITY SCRIPTING LANGUAGES SOCIAL MEDIA INTELLIGENCE SOFTWARE ENGINEERING STORAGE AREA NETWORKS JAVA PROGRAMMING INTELLECTUAL PROPERTY RIGHTS INFORMATION SECURITY AND AUDIT E – COMMERCE R-PROGRAMMING ANDROID APPLICATION DEVELOPMENT ALGORITHMICS BIG DATA	ELECTIVE-C1 SOFTWARE ARCHITECTURE AND DESIGN PATTERNS	

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
						ANALYTICS BIOINFORMATICS BIOMETRICS COMPUTER FORENSICS		
POWER AND INDUSTRIAL DRIVES~42	MACHINE MODELING AND ANALYSIS	POWER ELECTRONIC DEVICES AND CIRCUITS	MODERN CONTROL THEORY	ELECTIVE-C1 PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS SPECIAL MACHINES	ELECTIVE-C2 EMBEDDED SYSTEMS	OPEN ELECTIVE RENEWABLE ENERGY SYSTEMS OPTIMIZATION TECHNIQUES ANALYSIS OF POWER CONVERTERS EMBEDDED SYSTEMS DIGITAL CONTROL SYSTEMS HVDC TRANSMISSION	ELECTIVE-C2 MICROCONTROLLERS AND APPLICATIONS DIGITAL CONTROL SYSTEMS	ELECTIVE-C1 HVDC TRANSMISSION
POWER ELECTRONICS~43	MACHINE MODELING AND ANALYSIS	POWER ELECTRONIC DEVICES AND CIRCUITS	MODERN CONTROL THEORY	ELECTIVE-C1 SPECIAL MACHINES PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS	ELECTIVE-C2 EMBEDDED SYSTEMS	OPEN ELECTIVE DIGITAL CONTROL SYSTEMS RENEWABLE ENERGY SYSTEMS HVDC TRANSMISSION OPTIMIZATION TECHNIQUES EMBEDDED SYSTEMS ANALYSIS OF POWER CONVERTERS	ELECTIVE-C2 DIGITAL CONTROL SYSTEMS MICROCONTROLLERS AND APPLICATIONS	ELECTIVE-C1 HVDC TRANSMISSION

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
SYSTEMS & SIGNAL PROCESSING~ (45/93)	ELECTIVE-C2 DIGITAL SYSTEM DESIGN	RANDOM PROCESSES AND TIME SERIES ANALYSIS	ELECTIVE-C2 ADVANCED DATA COMMUNICATIONS	ADVANCED DIGITAL SIGNAL PROCESSING	OPEN ELECTIVE DEVICE MODELING WIRELESS COMMUNICATIONS AND NETWORKS EMBEDDED SYSTEM DESIGN	ELECTIVE-C1 BIOMEDICAL SIGNAL PROCESSING RADAR SIGNAL PROCESSING VLSI SIGNAL PROCESSING	ELECTIVE-C2 DETECTION AND ESTIMATION THEORY	TRANSFORM TECHNIQUES
GEO-INFORMATICS & SURVEYING TECHNOLOGY~47	SURVEYING	FUNDAMENTALS OF REMOTE SENSING AND GIS	WATERSHED MANAGEMENT	OPEN ELECTIVE ELEMENTS OF PHOTOGRAMMETRY ENVIRONMENTAL IMPACT ASSESSMENT COMPUTER ORIENTED NUMERICAL METHODS	ELECTIVE-C2 GIS APPLICATIONS IN WATER RESOURCES ENGINEERING GNSS SURVEYING AIR POLLUTION AND CONTROL	ELECTIVE-C1 WATER RESOURCES SYSTEMS ANALYSIS DIGITAL IMAGE PROCESSING – I CLIMATOLOGY		
ELECTRICAL POWER ENGINEERING~49	ADVANCED POWER SYSTEM ANALYSIS	ADVANCED POWER SYSTEM PROTECTION	MODERN CONTROL THEORY	ELECTIVE-C1 ADVANCED DIGITAL SIGNAL PROCESSING EHV AC TRANSMISSION	ELECTIVE-C2 MICROCONTROLLERS AND APPLICATIONS DISTRIBUTION AUTOMATION	OPEN ELECTIVE OPTIMIZATION TECHNIQUES EMBEDDED SYSTEMS ANALYSIS OF POWER CONVERTERS RENEWABLE ENERGY SYSTEMS DIGITAL CONTROL SYSTEMS HVDC TRANSMISSION	ELECTIVE-C2 POWER QUALITY	ELECTIVE-C1 HIGH VOLTAGE ENGINEERING

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
CHEMICAL ENGINEERING~51	ADVANCED TRANSPORT PHENOMENA		REACTOR DESIGN AND ANALYSIS	ELECTIVE-C1 OPTIMIZATION TECHNIQUES IN CHEMICAL ENGINEERING PETROLEUM REFINERY ENGINEERING ELECTROCHEMICAL ENGINEERING	ELECTIVE-C2 CORROSION ENGINEERING POLYMER TECHNOLOGY	OPEN ELECTIVE ENVIRONMENTAL ENGINEERING RENEWABLE ENERGY RESOURCES MEMBRANE TECHNOLOGY	ADVANCED CHEMICAL ENGINEERING THERMODYNAMICS	APPLIED NUMERICAL METHODS
DESIGN FOR MANUFACTURING~52	ADVANCED MECHANICS OF SOLIDS	ELECTIVE-C2 QUALITY ENGINEERING IN MANUFACTURING THEORY OF ELASTICITY & PLASTICITY ADVANCED COMPUTER AIDED DESIGN	OPEN ELECTIVE ADVANCED MECHATRONICS	ELECTIVE-C1 ADVANCED FINITE ELEMENT ANALYSIS DESIGN AND MANUFACTURING OF MEMS & MICRO SYSTEMS	OPEN ELECTIVE PERFORMANCE MODELING AND ANALYSIS OF MANUFACTURING SYSTEMS	MATERIAL TECHNOLOGY	DESIGN FOR MANUFACTURING & ASSEMBLY	ELECTIVE-C1 SPECIAL MANUFACTURING PROCESSES
POWER SYSTEM CONTROL AND AUTOMATION~53	ADVANCED POWER SYSTEM ANALYSIS	ADVANCED POWER SYSTEM PROTECTION	MODERN CONTROL THEORY	ELECTIVE-C1 EHV AC TRANSMISSION ADVANCED DIGITAL SIGNAL PROCESSING	ELECTIVE-C2 MICROCONTROLLERS AND APPLICATIONS DISTRIBUTION AUTOMATION	OPEN ELECTIVE ANALYSIS OF POWER CONVERTERS RENEWABLE ENERGY SYSTEMS HVDC TRANSMISSION EMBEDDED SYSTEMS OPTIMIZATION TECHNIQUES DIGITAL CONTROL SYSTEMS	ELECTIVE-C2 POWER QUALITY	ELECTIVE-C1 HIGH VOLTAGE ENGINEERING

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
POWER ELECTRONICS AND ELECTRIC DRIVES~54	MACHINE MODELING AND ANALYSIS	POWER ELECTRONIC DEVICES AND CIRCUITS	MODERN CONTROL THEORY	ELECTIVE-C1 SPECIAL MACHINES PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS	ELECTIVE-C2 EMBEDDED SYSTEMS	OPEN ELECTIVE RENEWABLE ENERGY SYSTEMS HVDC TRANSMISSION ANALYSIS OF POWER CONVERTERS DIGITAL CONTROL SYSTEMS EMBEDDED SYSTEMS OPTIMIZATION TECHNIQUES	ELECTIVE-C2 DIGITAL CONTROL SYSTEMS MICROCONTROLLERS AND APPLICATIONS	ELECTIVE-C1 HVDC TRANSMISSION
EMBEDDED SYSTEMS~55	ELECTIVE-C2 DIGITAL SYSTEMDESIGN	OPEN ELECTIVE TCP/IP NETWORKS CODING THEORY AND TECHNIQUES SOFT COMPUTING TECHNIQUES	REAL TIME OPERATING SYSTEMS	ARM ARCHITECTURES	ELECTIVE-C2 DESIGN FOR TESTABILITY	EMBEDDED SYSTEM DESIGN	ELECTIVE-C2 EMBEDDED C	ELECTIVE-C1 ADVANCED COMPUTER ARCHITECTURE EMBEDDED COMPUTING VLSI TECHNOLOGY AND DESIGN
POWER SYSTEM (HIGH VOLTAGE)~56	GENERATION AND MEASUREMENT OF HIGH VOLTAGES	ELECTIVE-C2 ADVANCED POWER SYSTEM PROTECTION REACTIVE POWER COMPENSATION & MANAGEMENT	HVDC TRANSMISSION	ELECTIVE-C1 FLEXIBILITY AC TRANSMISSION SYSTEMS (FACTS) VOLTAGE STABILITY GAS INSULATED SYSTEMS (GIS)	DIELECTRIC AND INSULATION ENGINEERING	OPEN ELECTIVE OPTIMIZATION TECHNIQUES RENEWABLE ENERGY SYSTEMS DIGITAL CONTROL SYSTEMS ANALYSIS OF POWER CONVERTERS HVDC TRANSMISSION EMBEDDED SYSTEMS	ELECTIVE-C2 BREAKDOWN PHENOMENON IN INSULATION	

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
VLSI SYSTEM DESIGN / VLSI DESIGN~57	VLSI TECHNOLOGY	CMOS ANALOG INTEGRATED CIRCUIT DESIGN	OPEN ELECTIVE SOFT COMPUTING TECHNIQUES	ELECTIVE-C1 DIGITAL SYSTEM DESIGN HARDWARE SOFTWARE CO-DESIGN	ELECTIVE-C2 DEVICE MODELING EMBEDDED SYSTEM DESIGN ALGORITHMS FOR VLSI DESIGN AUTOMATION	CMOS DIGITAL INTEGRATED CIRCUIT DESIGN	ELECTIVE-C1 CPLD AND FPGA ARCHITECTURES AND APPLICATIONS	OPEN ELECTIVE IMAGE AND VIDEO PROCESSING SOFTWARE DEFINED RADIO

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E **T I M E : 10:00 AM TO 1:00 PM**

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
COMPUTER SCIENCE ENGINEERING~58	DATA STRUCTURES AND ALGORITHMS	DATABASE INTERNALS	ELECTIVE-C2 MACHINE LEARNING	ELECTIVE-C1 NETWORK SECURITY CLOUD COMPUTING INTERNET OF THINGS ANDROID APPLICATION DEVELOPMENT	ELECTIVE-C2 PARALLEL AND DISTRIBUTED ALGORITHMS EMBEDDED SYSTEMS	OPEN ELECTIVE INFORMATION SECURITY AND AUDIT SOCIAL MEDIA INTELLIGENCE PRINCIPLES OF INFORMATION SECURITY SOFTWARE ENGINEERING E – COMMERCE STORAGE AREA NETWORKS JAVA PROGRAMMING LINUX PROGRAMMING INTELLECTUAL PROPERTY RIGHTS MOBILE APPLICATION SECURITY OPEN STACK CLOUD COMPUTING OPERATIONS RESEARCH SCRIPTING LANGUAGES WEB USABILITY COMPUTER FORENSICS BIOMETRICS BIOINFORMATICS BIG DATA ANALYTICS ALGORITHMICS ANDROID APPLICATION DEVELOPMENT R-PROGRAMMING MOBILE COMPUTING	ELECTIVE-C2 SOFTWARE ARCHITECTURE AND DESIGN PATTERNS	DISTRIBUTED SYSTEMS

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
COMMUNICATION SYSTEMS~61	SPREAD SPECTRUM COMMUNICATION	ELECTIVE-C1 DETECTION AND ESTIMATION THEORY	ADVANCED DATA COMMUNICATIONS	ELECTIVE-C1 ADVANCED DIGITAL SIGNAL PROCESSING RF CIRCUIT DESIGN	ELECTIVE- C2 RADAR SIGNAL PROCESSING INTERNETWORKING	OPEN ELECTIVE DEVICE MODELING VOICE OVER INTERNET PROTOCOL EMBEDDED SYSTEM DESIGN	WIRELESS COMMUNICATIONS AND NETWORKS	ELECTIVE-C2 SOFTWARE DEFINED RADIO

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
WEB TECHNOLOGIES~62	DATA STRUCTURES AND ALGORITHMS	INTERNET TECHNOLOGIES AND SERVICES	ELECTIVE-C2 NETWORK PROGRAMMING MULTIMEDIA AND RICH INTERNET APPLICATIONS OBJECT ORIENTED MODELLING SCRIPTING LANGUAGES INFORMATION RETRIEVAL SYSTEMS	INTERNET OF THINGS	ELECTIVE-C1 DATABASE INTERNALS WEB SECURITY	OPEN ELECTIVE ALGORITHMICS INTELLECTUAL PROPERTY RIGHTS R-PROGRAMMING SOFTWARE ENGINEERING BIG DATA ANALYTICS BIOINFORMATICS BIOMETRICS ANDROID APPLICATION DEVELOPMENT COMPUTER FORENSICS E – COMMERCE INFORMATION SECURITY AND AUDIT SCRIPTING LANGUAGES SOCIAL MEDIA INTELLIGENCE PRINCIPLES OF INFORMATION SECURITY OPERATIONS RESEARCH OPEN STACK CLOUD COMPUTING STORAGE AREA NETWORKS WEB USABILITY JAVA PROGRAMMING LINUX PROGRAMMING	ELECTIVE-C1 WEB MINING	

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
						MOBILE COMPUTING MOBILE APPLICATION SECURITY		
POWER ENGINEERING AND ENERGY SYSTEMS~64	ADVANCED POWER SYSTEM ANALYSIS	ADVANCED POWER SYSTEM PROTECTION	MODERN CONTROL THEORY	ELECTIVE-C1 EHV AC TRANSMISSION ADVANCED DIGITAL SIGNAL PROCESSING	ELECTIVE-C2 MICROCONTROLLERS AND APPLICATIONS DISTRIBUTION AUTOMATION	OPEN ELECTIVE OPTIMIZATION TECHNIQUES DIGITAL CONTROL SYSTEMS RENEWABLE ENERGY SYSTEMS HVDC TRANSMISSION ANALYSIS OF POWER CONVERTERS EMBEDDED SYSTEMS	ELECTIVE-C2 POWER QUALITY	ELECTIVE-C1 HIGH VOLTAGE ENGINEERING
WIRELESS AND MOBILE COMMUNICATION~65	SPREAD SPECTRUM COMMUNICATION	CODING THEORY AND TECHNIQUES	ADVANCED DATA COMMUNICATIONS	ELECTIVE-C1 RF CIRCUIT DESIGN	OPEN ELECTIVE INTERNETWORKING ADVANCED DIGITAL SIGNAL PROCESSING	ELECTIVE-C2 VOICE OVER INTERNET PROTOCOL GPS APPLICATIONS QUEUEING THEORY AND APPLICATIONS	ELECTIVE-C1 DETECTION AND ESTIMATION THEORY RANDOM PROCESSES AND TIME SERIES ANALYSIS	OPEN ELECTIVE IMAGE AND VIDEO PROCESSING
NANO TECHNOLOGY~66	PROPERTIES OF NANO STRUCTURES AND MATERIALS	SYNTHESIS OF NANOMATERIALS	MATERIAL CHARACTERIZATION TECHNIQUES	ELECTIVE-C1 NUMERICAL METHODS AND ADVANCED COMPUTING TECHNIQUES INTRODUCTION TO NANO SCIENCE AND TECHNOLOGY	ELECTIVE-C2 ENVIRONMENTAL NANOTECHNOLOGY NANO BIO-TECHNOLOGY MATERIALS AND DEVICES ---	OPEN ELECTIVE STRUCTURE BONDING AND QUANTUM MECHANICS ELEMENTS OF SOLID STATE PHYSICS		

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
VLSI AND EMBEDDED SYSTEMS~68	VLSI TECHNOLOGY	CMOS ANALOG INTEGRATED CIRCUIT DESIGN	OPEN ELECTIVE ADVANCED DATA COMMUNICATIONS NETWORK SECURITY AND CRYPTOGRAPHY SOFT COMPUTING TECHNIQUES	ELECTIVE-C1 DIGITAL SYSTEM DESIGN HARDWARE SOFTWARE CO-DESIGN	EMBEDDED SYSTEM DESIGN	ELECTIVE-C2 CMOS DIGITAL INTEGRATED CIRCUIT DESIGN VLSI AND DSP ARCHITECTURES	ELECTIVE-C2 CPLD AND FPGA ARCHITECTURES AND APPLICATIONS	ELECTIVE-C1 ADVANCED COMPUTER ARCHITECTURE
ELECTRONICS AND COMMUNICATION ENGINEERING~70	DIGITAL SYSTEM DESIGN	VLSI TECHNOLOGY AND DESIGN	ADVANCED DATA COMMUNICATIONS	ELECTIVE-C2 INTERNETWORKING REAL TIME OPERATING SYSTEMS	ELECTIVE-C1 EMBEDDED SYSTEM DESIGN ADVANCED DIGITAL SIGNAL PROCESSING	OPEN ELECTIVE VIRTUAL INSTRUMENTATION ADVANCED COMMUNICATIONS AND NETWORKS SPREAD SPECTRUM COMMUNICATION	ELECTIVE-C1 DETECTION AND ESTIMATION THEORY	ELECTIVE-C2 ADVANCED COMPUTER ARCHITECTURE
CONTROL SYSTEMS~75	MODERN CONTROL THEORY	DIGITAL CONTROL SYSTEMS		ELECTIVE-C1 PROCESS MODELING AND SIMULATION PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS PROCESS DYNAMICS AND CONTROL	ELECTIVE-C2 EMBEDDED SYSTEMS DSP PROCESSOR ARCHITECTURE AND APPLICATIONS	OPEN ELECTIVE RENEWABLE ENERGY SYSTEMS HVDC TRANSMISSION ANALYSIS OF POWER CONVERTERS EMBEDDED SYSTEMS DIGITAL CONTROL SYSTEMS OPTIMIZATION TECHNIQUES	ELECTIVE-C2 ADVANCED MICROPROCESSORS	ESTIMATION OF SIGNALS AND SYSTEMS.

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
AEROSPACE ENGINEERING~76	ADVANCED MATHEMATICS IN AEROSPACE ENGINEERING		FLIGHT VEHICLE STRUCTURES	ELECTIVE-C1 AVIONICS ADVANCED HEAT TRANSFER ADDITIVE MANUFACTURING STRUCTURAL DYNAMICS OF SPACECRAFT ORBITAL MECHANICS	ELECTIVE-C2 MODELLING AND SIMULATION OF FLUID FLOWS AIRPORT OPERATIONS COMPUTATIONAL STRUCTURAL MECHANICS AIRCRAFT SYSTEMS HELICOPTER AERODYNAMICS	OPEN ELECTIVE INTRODUCTION TO AEROSPACE ENGINEERING JETS MISSILES AND ROCKETS	AERODYNAMICS OF FLIGHT VEHICLES	
EMBEDDED SYSTEMS & VLSI DESIGN~77	VLSI TECHNOLOGY	CMOS ANALOG INTEGRATED CIRCUIT DESIGN	OPEN ELECTIVE SOFT COMPUTING TECHNIQUES NETWORK SECURITY AND CRYPTOGRAPHY ADVANCED DATA COMMUNICATIONS	ELECTIVE-C1 DIGITAL SYSTEM DESIGN HARDWARE SOFTWARE CO-DESIGN	EMBEDDED SYSTEM DESIGN	ELECTIVE-C2 VLSI AND DSP ARCHITECTURES CMOS DIGITAL INTEGRATED CIRCUIT DESIGN	ELECTIVE-C2 CPLD AND FPGA ARCHITECTURES AND APPLICATIONS	Elective-I ADVANCED COMPUTER ARCHITECTURE

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
COMPUTER NETWORKS AND INFORMATION SECURITY~78	DATA STRUCTURES AND ALGORITHMS	COMPUTER NETWORKING	NETWORK PROGRAMMING	ELECTIVE-C1 DATABASE INTERNALS CLOUD COMPUTING TCP/IP PROTOCOL SUITE SOFTWARE DEFINED NETWORKS	ELECTIVE-C2 DISTRIBUTED COMPUTING INTERNET OF THINGS EMBEDDED SYSTEMS	OPEN ELECTIVE MOBILE APPLICATION SECURITY STORAGE AREA NETWORKS SOFTWARE ENGINEERING MOBILE COMPUTING SOCIAL MEDIA INTELLIGENCE SCRIPTING LANGUAGES PRINCIPLES OF INFORMATION SECURITY OPERATIONS RESEARCH WEB USABILITY LINUX PROGRAMMING COMPUTER FORENSICS BIOMETRICS OPEN STACK CLOUD COMPUTING E – COMMERCE BIOINFORMATICS BIG DATA ANALYTICS INTELLECTUAL PROPERTY RIGHTS JAVA PROGRAMMING ALGORITHMICS INFORMATION SECURITY AND		ELECTIVE-C2 DISTRIBUTED SYSTEMS

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
						AUDIT ANDROID APPLICATION DEVELOPMENT R-PROGRAMMING		
MECHATRONICS~80	AUTOMATION IN MANUFACTURING		INDUSTRIAL ELECTRICAL & ELECTRONICS	ELECTIVE-C2 CONTROL SYSTEMS INSTRUMENTATION & SENSOR TECHNOLOGY PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS	ELECTIVE-C1 PHOTO VOLTAIC & SOLAR THERMAL SYSTEMS PRECISION ENGINEERING ADVANCED CNC TECHNOLOGY	OPEN ELECTIVE POWER ELECTRONICS & DRIVES ELECTRO-OPTIC SYSTEMS	OE APPLIED INDUSTRIAL HYDRAULICS	APPLIED INDUSTRIAL PNEUMATICS
INFRASTRUCTURE ENGG~81	WATER RESOURCES SYSTEMS PLANNING AND MANAGEMENT	CONSTRUCTION MANAGEMENT I	GEOTECHNICS FOR INFRASTRUCTURE	OPEN ELECTIVE PORTS & HARBOUR ENGINEERING AIRPORT ENGINEERING GEO ENVIRONMENTAL ENGINEERING	ELECTIVE-C2 CONSTRUCTION TECHNIQUES NEW CONSTRUCTION MATERIALS	ELECTIVE-C1 BUILDING PLANNING AND CONSTRUCTION. COMPUTER ORIENTED NUMERICAL METHODS	ELECTIVE-C1 INTEGRATED WATER RESOURCES MANAGEMENT	E2 ADVANCED REINFORCED CONCRETE DESIGN

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
COMPUTER NETWORKS~82	DATA STRUCTURES AND ALGORITHMS	COMPUTER NETWORKING	NETWORK PROGRAMMING	ELECTIVE-C1 TCP/IP PROTOCOL SUITE CLOUD COMPUTING DATABASE INTERNALS SOFTWARE DEFINED NETWORKS	ELECTIVE-C2 DISTRIBUTED COMPUTING INTERNET OF THINGS EMBEDDED SYSTEMS	OPEN ELECTIVE SCRIPTING LANGUAGES SOCIAL MEDIA INTELLIGENCE SOFTWARE ENGINEERING STORAGE AREA NETWORKS WEB USABILITY PRINCIPLES OF INFORMATION SECURITY OPERATIONS RESEARCH OPEN STACK CLOUD COMPUTING R-PROGRAMMING ANDROID APPLICATION DEVELOPMENT ALGORITHMICS BIG DATA ANALYTICS BIOINFORMATICS BIOMETRICS COMPUTER FORENSICS E – COMMERCE JAVA PROGRAMMING MOBILE APPLICATION SECURITY MOBILE COMPUTING LINUX PROGRAMMING		ELECTIVE-C2 DISTRIBUTED SYSTEMS

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
						INTELLECTUAL PROPERTY RIGHTS INFORMATION SECURITY AND AUDIT		
HIGH VOLTAGE ENGINEERING~85	GENERATION AND MEASUREMENT OF HIGH VOLTAGES	ELECTIVE-C2 BREAKDOWN PHENOMENON IN INSULATION REACTIVE POWER COMPENSATION & MANAGEMENT ADVANCED POWER SYSTEM PROTECTION	HVDC TRANSMISSION	ELECTIVE-C1 GAS INSULATED SYSTEMS (GIS) VOLTAGE STABILITY FLEXIBILITY AC TRANSMISSION SYSTEMS (FACTS)	DIELECTRIC AND INSULATION ENGINEERING	OPEN ELECTIVE EMBEDDED SYSTEMS ANALYSIS OF POWER CONVERTERS RENEWABLE ENERGY SYSTEMS HVDC TRANSMISSION OPTIMIZATION TECHNIQUES DIGITAL CONTROL SYSTEMS		
HIGHWAY ENGINEERING~87	URBAN TRANSPORTATION PLANNING	TRAFFIC ENGINEERING	PAVEMENT MATERIAL CHARACTERIZATION	ELECTIVE-C1 ENGINEERING OF GROUND	ELECTIVE-C2 HIGHWAY INFRASTRUCTURE DESIGN ADVANCED CONCRETE TECHNOLOGY TRANSPORTATION SYSTEM MANAGEMENT	OPEN ELECTIVE REMOTE SENSING AND GIS PROJECT MANAGEMENT APPLIED STATISTICS	ELECTIVE-C1 ROAD SAFETY ENGINEERING	ELECTIVE-C1 BRIDGE ENGINEERING
ELECTRONICS & INSTRUMENTATION~88	ANALYSIS AND DESIGN OF SIGNAL CONDITIONING CIRCUITS	REAL TIME EMBEDDED SYSTEMS	TRANSDUCERS AND SMART INSTRUMENTS	ELECTIVE-C1 TRANSFORM TECHNIQUES ANALYTICAL INSTRUMENTATION SOFT COMPUTING TECHNIQUES	ELECTIVE-C2 INDUSTRIAL INSTRUMENTATION LINEAR AND NON LINEAR SYSTEMS ADVANCED DIGITAL SIGNAL PROCESSING	OPEN ELECTIVE DIGITAL INSTRUMENTATION BIOMEDICAL SIGNAL PROCESSING EMBEDDED SYSTEM DESIGN		

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
AUTOMATION (MECHANICAL)~89	AUTOMATION IN MANUFACTURING	OPEN ELECTIVE SMART MATERIALS & STRUCTURES QUALITY ENGINEERING IN MANUFACTURING	ELECTIVE-C2 NEURAL NETWORKS & FUZZY LOGIC ADVANCED MECHATRONICS	ELECTIVE-C1 DESIGN AND MANUFACTURING OF MEMS & MICRO SYSTEMS	MICRO PROCESSOR & APPLICATIONS	INDUSTRIAL ROBOTICS	ELECTIVE-C1 INTELLIGENT MANUFACTURING SYSTEMS PERFORMANCE MODELING AND ANALYSIS OF MANUFACTURING SYSTEMS	ELECTIVE-C2 SPECIAL MANUFACTURING PROCESSES
HEATING VENTILATION & AIR CONDITIONING~91	ADVANCED THERMODYNAMICS	ADVANCED HEAT AND MASS TRANSFER	REFRIGERATION	OPEN ELECTIVE ENERGY MANAGEMENT ADVANCED FINITE ELEMENT ANALYSIS	ELECTIVE-C2 REFRIGERATION EQUIPMENT & CONTROL SYSTEMS FOOD PROCESSING TECHNOLOGY EQUIPMENT DESIGN FOR THERMAL SYSTEMS	ELECTIVE-C1 NON CONVENTIONAL ENERGY SOURCES COMPUTATIONAL FLUID DYNAMICS	ELECTIVE-C1 CRYOGENIC ENGINEERING	
ENGINEERING DESIGN~95	ADVANCED MECHANICS OF SOLIDS	ADVANCED MECHANICS OF MACHINERY	VIBRATION ANALYSIS OF MECHANICAL SYSTEMS	ELECTIVE-C1 DESIGN OPTIMIZATION COMPUTER SIMULATION OF MACHINES	ELECTIVE-C2 MECHANICS OF METAL FORMING ADVANCED MECHANICS OF COMPOSITE MATERIALS DESIGN FOR MANUFACTURING & ASSEMBLY	OPEN ELECTIVE MECHATRONICS GEOMETRIC MODELING	ELECTIVE-C1 THEORY OF ELASTICITY AND PLASTICITY	

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
AERONAUTICAL ENGINEERING~97	ADVANCED MATHEMATICS IN AEROSPACE ENGINEERING		FLIGHT VEHICLE STRUCTURES	ELECTIVE-C1 ORBITAL MECHANICS AVIONICS STRUCTURAL DYNAMICS OF SPACECRAFT ADVANCED HEAT TRANSFER ADDITIVE MANUFACTURING	ELECTIVE-C2 HELICOPTER AERODYNAMICS MODELLING AND SIMULATION OF FLUID FLOWS AIRCRAFT SYSTEMS COMPUTATIONAL STRUCTURAL MECHANICS AIRPORT OPERATIONS	OPEN ELECTIVE JETS MISSILES AND ROCKETS INTRODUCTION TO AEROSPACE ENGINEERING	AERODYNAMICS OF FLIGHT VEHICLES	
POWERPLANT ENGINEERING AND ENERGY MANAGEMENT~99	ADVANCED THERMODYNAMICS	POWER PLANT MAINTENANCE	ELECTIVE-C2 POWER PLANT PROTECTION AND SWITCH GEAR POWER DISTRIBUTION SYSTEMS ADVANCED FLUID MECHANICS	OPEN ELECTIVE ENERGY OPTIMIZATION TECHNIQUES ENERGY SCENARIO	ADVANCED POWER PLANT ENGINEERING	ELECTIVE-C1 MATERIAL HANDLING MANAGEMENT COMPUTATIONAL FLUID DYNAMICS POWER PLANT ERECTION		
CONSTRUCTION MANAGEMENT~A1	CONSTRUCTION PROJECT PLANNING AND ADMINISTRATION	MANAGEMENT OF QUALITY AND SAFETY IN CONSTRUCTION	ELECTIVE-C2 . GEOTECHNICS FOR INFRASTRUCTURE	ELECTIVE-C1 QUANTITATIVE METHODS IN CONSTRUCTION MANAGEMENT. INFRASTRUCTURE VALUATION FORMWORK AND SCAFFOLDING DESIGN.	OPEN ELECTIVE HUMAN RESOURCES DEVELOPMENT FOR CONSTRUCTION	OPEN ELECTIVE REMOTE SENSING AND GIS FOR URBAN PLANNING & MANAGEMENT OPTIMIZATION TECHNIQUES	ELECTIVE-C2 INTEGRATED WATER RESOURCES MANAGEMENT REHABILITATION AND RETROFITTING OF STRUCTURES	CONSTRUCTION ENGINEERING PRACTICES

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
CYBER FORENSIC INFORMATION SECURITY~A2	DATA STRUCTURES AND ALGORITHMS		NETWORK AND WIRELESS SECURITY	ELECTIVE-C1 INFORMATION SYSTEMS CONTROL AND AUDIT INFORMATION STORAGE MANAGEMENT DATABASE INTERNALS CLOUD COMPUTING	ELECTIVE-C2 MOBILE APPLICATION SECURITY DISTRIBUTED SYSTEMS WEB SECURITY INTERNET OF THINGS	OPEN ELECTIVE SCRIPTING LANGUAGES BIOMETRICS BIOINFORMATICS SOCIAL MEDIA INTELLIGENCE ALGORITHMICS ANDROID APPLICATION DEVELOPMENT R-PROGRAMMING PRINCIPLES OF INFORMATION SECURITY WEB USABILITY STORAGE AREA NETWORKS COMPUTER FORENSICS E – COMMERCE INFORMATION SECURITY AND AUDIT OPERATIONS RESEARCH OPEN STACK CLOUD COMPUTING BIG DATA ANALYTICS SOFTWARE ENGINEERING MOBILE APPLICATION SECURITY MOBILE COMPUTING	APPLIED CRYPTOGRAPHY	
						LINUX PROGRAMMING JAVA PROGRAMMING INTELLECTUAL PROPERTY RIGHTS		

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
CYBER SECURITY~A3	DATA STRUCTURES AND ALGORITHMS		NETWORK AND WIRELESS SECURITY	ELECTIVE-C1 CLOUD COMPUTING DATABASE INTERNALS INFORMATION STORAGE MANAGEMENT INFORMATION SYSTEMS CONTROL AND AUDIT	ELECTIVE-C2 DISTRIBUTED SYSTEMS INTERNET OF THINGS WEB SECURITY MOBILE APPLICATION SECURITY	OPEN ELECTIVE STORAGE AREA NETWORKS E – COMMERCE LINUX PROGRAMMING MOBILE APPLICATION SECURITY ALGORITHMICS COMPUTER FORENSICS BIOMETRICS OPEN STACK CLOUD COMPUTING BIOINFORMATICS JAVA PROGRAMMING PRINCIPLES OF INFORMATION SECURITY OPERATIONS RESEARCH R-PROGRAMMING ANDROID APPLICATION DEVELOPMENT SCRIPTING LANGUAGES MOBILE COMPUTING BIG DATA ANALYTICS INFORMATION SECURITY AND AUDIT SOCIAL MEDIA INTELLIGENCE	APPLIED CRYPTOGRAPHY	

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

E X A M I N A T I O N B R A N C H

M.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS JUNE-2019

T I M E T A B L E

T I M E : 10:00 AM TO 1:00 PM

COURSE	25-06-2019 TUESDAY	27-06-2019 THURSDAY	29-06-2019 SATURDAY	02-07-2019 TUESDAY	04-07-2019 THURSDAY	06-07-2019 SATURDAY	09-07-2019 TUESDAY	11-07-2019 THURSDAY
						SOFTWARE ENGINEERING INTELLECTUAL PROPERTY RIGHTS WEB USABILITY		
BIOMEDICAL SIGNAL PROCESSING INSTRUMENTATION~A4	PHYSIOLOGY FOR ENGINEERS	MEDICAL INSTRUMENTATION	ADVANCED MEDICAL IMAGING TECHNIQUES	OPEN ELECTIVE EMBEDDED SYSTEM DESIGN SOFT COMPUTING TECHNIQUES	ELECTIVE-C2 ROBOTICS IN MEDICAL APPLICATIONS BIO-MEMS AND NANOTECHNOLOGY ELECTRONIC SYSTEM DESIGN	ELECTIVE-C1 TRANSFORM TECHNIQUES MEDICAL SENSORS	ELECTIVE-C1 BIOINFORMATICS AND APPLICATIONS	OPEN ELECTIVE BIOSTATISTICS
VLSI DESIGN~A5	VLSI TECHNOLOGY	CMOS ANALOG INTEGRATED CIRCUIT DESIGN	OPEN ELECTIVE SOFT COMPUTING TECHNIQUES	ELECTIVE-C1 HARDWARE SOFTWARE CO-DESIGN DIGITAL SYSTEM DESIGN	ELECTIVE-C2 DEVICE MODELING ALGORITHMS FOR VLSI DESIGN AUTOMATION EMBEDDED SYSTEM DESIGN	CMOS DIGITAL INTEGRATED CIRCUIT DESIGN	ELECTIVE-C1 CPLD AND FPGA ARCHITECTURES AND APPLICATIONS	OPEN ELECTIVE SOFTWARE DEFINED RADIO IMAGE AND VIDEO PROCESSING

DATE: 17/05/2019

Sd/-

CONTROLLER OF EXAMINATIONS

NOTE:

(I). ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY

(II). EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES.THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL