

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 5000 85

EXAMINATION BRANCH

**III YEAR B.TECH – II SEMESTER– R16 REGULATION COMPUTER BASED TEST(CBT) JUNE-2019**

**T I M E T A B L E**

BRANCH	DATE , DAY & SESSION				
	18-06-2019 TUESDAY	19-06-2019 WEDNESDAY	20-06-2019 THURSDAY	21-06-2019 FRIDAY	22-06-2019 SATURDAY
	11.00 AM TO 11.45 AM	11.00 AM TO 11.45 AM	11.00 AM TO 11.45 AM	11.00 AM TO 11.45 AM	11.00 AM TO 11.45 AM
<b>CIVIL ENGINEERING</b>  <b>(01-CE)</b>	Design of Steel Structures	Environmental Engineering	Soil Mechanics	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b>
				Air Pollution and Control.	Artificial Neural Networks
					Cyber Security
					Coal Gasification, Coal Bed Methane and Shale Gas
				Advanced Structural Analysis.	Data Structures
					Design Estimation and Costing of Electrical Systems
				Ground Water Development and Management	Energy Management and Conservation
					Environmental Impact Assessment
					Energy Storage Systems
					Entrepreneurship and Small Business Enterprises
				Earth and Rock fill Dams and Slope Stability	Fabrication Processes
					Fundamentals of Robotics
					Industrial Electronics
					Industrial Management
					Introduction to Aerospace Engineering
					Introduction to Material Handling
					Introduction to Mechatronics
					Java Programming
					Medical Electronics
					Metallurgy of Non Metallurgists
					Non-Conventional Energy Sources
					Optimization Technique
					Principles of Computer Communications and Networks
					Robotics
					Software Testing Methodologies
					Soft Computing Techniques
					Science and Technology of Nano Materials
					World Class Manufacturing

**Date:01-06-2019**

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<b>ELECTRICAL AND ELECTRONICS ENGINEERING  (02-EEE)</b>	Power Systems Analysis	Power Electronics	Switch Gear and Protection	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b>
				Computer Organization	Artificial Neural Networks
					Cyber Security
					Coal Gasification, Coal Bed Methane and Shale Gas
					Data Structures
				Linear Systems Analysis	Energy Management and Conservation
					Environmental Impact Assessment
					Entrepreneurship and Small Business Enterprises
				Linear and Digital IC Applications	Geo-Informatics
					Fabrication Processes
				Electrical and Electronics Instrumentation	Fundamentals of Robotics
					Industrial Electronics
					Industrial Management
					Introduction to Aerospace Engineering
					Introduction to Material Handling
					Intellectual Property Rights
					Java Programming
					Medical Electronics
					Metallurgy of Non Metallurgists
					Non-Conventional Energy Sources
					Optimization Technique
					Principles of Computer Communications and Networks
					Science and Technology of Nano Materials
					Robotics
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<b>MECHANICAL ENGINEERING</b>  <b>(03-ME)</b>	Thermal Engineering-II	Heat Transfer	Design of Machine Members-II	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b>
				Finite Element Methods	Artificial Neural Networks
				Refrigeration and Air Conditioning	Cyber Security
					Coal Gasification, Coal Bed Methane and Shale Gas
					Data Structures
					Design Estimation and Costing of Electrical Systems
					Energy Management and Conservation
					Environmental Impact Assessment
				Machine Tool Design	Entrepreneurship and Small Business Enterprises
					Energy Storage Systems
					Geo-Informatics
				IC Engines and Gas Turbines	Industrial Electronics
					Introduction to Mechatronics
					Industrial Management
					Introduction to Aerospace Engineering
					Introduction to Material Handling
					Intellectual Property Rights
					Java Programming
					Medical Electronics
					Metallurgy of Non Metallurgists
					Non-Conventional Energy Sources
					Optimization Technique
					Principles of Computer Communications and Networks
					Robotics
					Remote Sensing and GIS
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<b>ELECTRONICS AND COMMUNICATION ENGINEERING</b>  <b>(04-ECE)</b>	Antennas and Wave Propagation	Microprocessors and Microcontrollers	Digital Signal Processing	<b>Professional Elective - I</b>	<b>(Open Elective-I)</b>
				Computer organization and operating system	Artificial Neural Networks
					Cyber Security
					Coal Gasification, Coal Bed Methane and Shale Gas
					Data Structures
				Digital Image Processing	Design Estimation and Costing of Electrical Systems
					Energy Management and Conservation
					Environmental Impact Assessment
					Entrepreneurship and Small Business Enterprises
				Spread Spectrum Communications	Energy Storage Systems
					Geo-Informatics
					Fabrication Processes
				Digital system Design	Fundamentals of Robotics
					Industrial Electronics
					Industrial Management
					Introduction to Mechatronics
					Introduction to Aerospace Engineering
					Introduction to Material Handling
					Intellectual Property Rights
					Java Programming
					Medical Electronics
					Metallurgy of Non Metallurgists
					Non-Conventional Energy Sources
					Optimization Technique
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<b>COMPUTER SCIENCE AND ENGINEERING</b>  <b>(05-CSE)</b>	Compiler Design	Web Technologies	Cryptography and Network Security	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b>
				Mobile Computing	Artificial Neural Networks
				Design Patterns	Coal Gasification, Coal Bed Methane and Shale Gas
					Data Structures
					Design Estimation and Costing of Electrical Systems
				Artificial Intelligence	Energy Management and Conservation
					Environmental Impact Assessment
					Entrepreneurship and Small Business Enterprises
				Information Security Management (Security Analyst - I)	Energy Storage Systems
					Geo-Informatics
					Fabrication Processes
					Fundamentals of Robotics
				Introduction to Analytics (Associate Analytics - I)	Industrial Electronics
					Industrial Management
					Introduction to Aerospace Engineering
					Introduction to Material Handling
					Intellectual Property Rights
					Introduction to Mechatronics
					Medical Electronics
					Metallurgy of Non Metallurgists
					Non-Conventional Energy Sources
					Optimization Technique
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<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING</b>  <b>(10-EIE)</b>	Process Dynamics And Control	Analytical Instrumentation	Digital Signal Processing	<b>Professional Elective - I</b>	<b>(Open Elective-I)</b> Artificial Neural Networks Coal Gasification, Coal Bed Methane and Shale Gas Data Structures
				Principles of Communications	Cyber Security Design Estimation and Costing of Electrical Systems
				Virtual Instrumentation	Energy Management and Conservation Environmental Impact Assessment
				Object Oriented Programming through JAVA	Entrepreneurship and Small Business Enterprises Energy Storage Systems
				Hydraulic And Pneumatic Control Systems	Geo-Informatics Fabrication Processes Fundamentals of Robotics Industrial Management
					Introduction to Aerospace Engineering
					Introduction to Material Handling
					Intellectual Property Rights
					Introduction to Mechatronics
					Java Programming
					Medical Electronics
					Metallurgy of Non Metallurgists
					Non-Conventional Energy Sources
					Optimization Technique
					Introduction to Mechatronics
					Principles of Computer Communications and Networks
					Remote Sensing and GIS
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<b>BIO-MEDICAL ENGINEERING (11-BME)</b>	Biomedical Signal Processing	Bio fluid Mechanics	Digital Signal Processing	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b> Artificial Neural Networks
					Coal Gasification, Coal Bed Methane and Shale Gas
				Laser and Fiber Optic Instrumentation	Data Structures
					Cyber Security
					Metallurgy of Non Metallurgists
				Biological Control Systems	Design Estimation and Costing of Electrical Systems
					Energy Management and Conservation
				VLSI Design	Environmental Impact Assessment
					Entrepreneurship and Small Business Enterprises
				General Surgery and Radiology	Energy Storage Systems
					Geo-Informatics
					Fabrication Processes
					Fundamentals of Robotics
					Industrial Electronics
					Industrial Management
					Introduction to Aerospace Engineering
					Introduction to Material Handling
					Intellectual Property Rights
					Introduction to Mechatronics
					Java Programming
					Non-Conventional Energy Sources
					Optimization Technique
					Principles of Computer Communications and Networks
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<b>INFORMATION TECHNOLOGY</b>  (12- I T)	Compiler Design	Web Technologies	Cryptography and Network Security	<b>Professional Elective - I</b>	<b>(Open Elective-I)</b> Artificial Neural Networks
				Mobile Computing Object Oriented Analysis and Design	Coal Gasification, Coal Bed Methane and Shale Gas
					Data Structures
					Design Estimation and Costing of Electrical Systems
					Energy Management and Conservation
					Environmental Impact Assessment
				Computer Forensics	Entrepreneurship and Small Business Enterprises
				Information Security Management (Security Analyst - I)	Energy Storage Systems
					Geo-Informatics
					Fabrication Processes
					Fundamentals of Robotics
					Industrial Electronics
				Introduction to Analytics (Associate Analytics - I)	Industrial Management
					Introduction to Aerospace Engineering
					Introduction to Material Handling
					Intellectual Property Rights
					Introduction to Mechatronics
					Medical Electronics
					Metallurgy of Non Metallurgists
					Non-Conventional Energy Sources
					Optimization Technique
					Principles of Computer Communications and Networks
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<b>MECHANICAL ENGINEERING (MECHATRONICS)</b>  <b>(14-MECT)</b>	Dynamics of Machinery	Motion Control Design	CAD/CAM	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b> Cyber Security
				Machine Drawing	Coal Gasification, Coal Bed Methane and Shale Gas
				Total Quality Management	Design Estimation and Costing of Electrical Systems
				Unconventional Machining Processes	Energy Management and Conservation
					Environmental Impact Assessment
					Entrepreneurship and Small Business Enterprises
					Energy Storage Systems
					Geo-Informatics
				Nanotechnology	Fabrication Processes
					Fundamentals of Robotics
					Industrial Electronics
					Introduction to Aerospace Engineering
					Introduction to Material Handling
					Introduction to Mechatronics
					Intellectual Property Rights
					Java Programming
					Medical Electronics
					Metallurgy of Non Metallurgists
					Non-Conventional Energy Sources
					Optimization Technique
					Principles of Computer Communications and Networks
					Remote Sensing and GIS
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<b>ELECTRONICS AND TELEMATICS ENGINEERING (17-ETM)</b>	Antennas and Wave Propagation	Microprocessors and Microcontrollers	Digital Signal Antennas and Processing Wave Propagation	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b> Artificial Neural Networks
				Computer organization and operating system	Cyber Security Coal Gasification, Coal Bed Methane and Shale Gas
				Electronic Measurements and Instrumentation	Data Structures Design Estimation and Costing of Electrical Systems Energy Management and Conservation Environmental Impact Assessment
				Spread Spectrum Communications	Entrepreneurship and Small Business Enterprises Energy Storage Systems Geo-Informatics Fabrication Processes
				Digital system Design	Fundamentals of Robotics Industrial Management Introduction to Aerospace Engineering Introduction to Material Handling Introduction to Mechatronics Intellectual Property Rights Java Programming Medical Electronics Metallurgy of Non Metallurgists Non-Conventional Energy Sources Optimization Technique Remote Sensing and GIS Robotics Science and Technology of Nano Materials Soft Computing Techniques Software Testing Methodologies World Class Manufacturing Industrial Electronics

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<b>METALLURGICAL AND MATERIALS ENGINEERING</b>  <b>(18-MMT)</b>	Steel Making	Welding Metallurgy	Foundry Technology	<b>Professional Elective - I</b>	<b>(Open Elective-I)</b> Artificial Neural Networks
					Cyber Security
				Non Ferrous Extractive Metallurgy	Coal Gasification, Coal Bed Methane and Shale Gas
					Data Structures
				Surface Engineering	Design Estimation and Costing of Electrical Systems
					Energy Management and Conservation
					Environmental Impact Assessment
				Electronic and Magnetic Materials	Entrepreneurship and Small Business Enterprises
					Energy Storage Systems
					Geo-Informatics
					Fabrication Processes
					Fundamentals of Robotics
					Industrial Electronics
					Industrial Management
					Introduction to Aerospace Engineering
					Introduction to Material Handling
					Introduction to Mechatronics
					Intellectual Property Rights
					Java Programming
					Medical Electronics
					Non-Conventional Energy Sources
					Optimization Technique
					Principles of Computer Communications and Networks
					Remote Sensing and GIS
					Robotics
					Software Testing Methodologies
					Soft Computing Techniques
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<b>ELECTRONICS AND COMPUTER ENGINEERING</b>  <b>(19-E.COMP.E)</b>	Computer Networks	Microprocessors and Microcontrollers	Digital Signal Processing	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b>
				Computer Organization	Artificial Neural Networks
					Coal Gasification, Coal Bed Methane and Shale Gas
				Database Management Systems	Cyber Security
					Medical Electronics
					Coal Gasification, Coal Bed Methane and Shale Gas
					Geo-Informatics
				Information Systems	Intellectual Property Rights
					Environmental Impact Assessment
				Data Structures	Java Programming
					Data Structures
					Energy Management and Conservation
					Energy Storage Systems
					Entrepreneurship and Small Business Enterprises
					Principles of Computer Communications and Networks
					Soft Computing Techniques
					Design Estimation and Costing of Electrical Systems
					Industrial Management
					Industrial Electronics
					World Class Manufacturing
					Fundamentals of Robotics
					Fabrication Processes
					Introduction to Material Handling
					Introduction to Aerospace Engineering
					Introduction to Mechatronics
					Metallurgy of Non Metallurgists
					Non-Conventional Energy Sources
					Software Testing Methodologies
					Science and Technology of Nano Materials
					Robotics
					Remote Sensing and GIS
					Optimization Technique

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<b>AERONAUTICAL ENGINEERING (21-AE)</b>	Aircraft Systems	Aircraft Stability and Control	Rocket and Spacecraft Propulsion	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b>
					Artificial Neural Networks
					Cyber Security
				Finite Element Methods	Coal Gasification, Coal Bed Methane and Shale Gas
					Data Structures
				Experimental Aerodynamics	Design Estimation and Costing of Electrical Systems
					Energy Management and Conservation
					Environmental Impact Assessment
				Mechanisms and Mechanical Design	Entrepreneurship and Small Business Enterprises
					Energy Storage Systems
				Unmanned Air Vehicle (UAV) Systems	Fabrication Processes
					Fundamentals of Robotics
					Geo-Informatics
					Industrial Electronics
					Industrial Management
					Metallurgy of Non Metallurgists
					Introduction to Material Handling
					Introduction to Mechatronics
					Intellectual Property Rights
					Java Programming
					Medical Electronics
					Non-Conventional Energy Sources
					Optimization Technique
					Principles of Computer Communications and Networks
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<b>AUTOMOBILE ENGINEERING (24-AME)</b>	Thermal Engineering - II	Mechanics of Fluids and Hydraulics Machinery	<b>Professional Elective - I</b>	Design of Machine Members - I	<b><u>(Open Elective-I)</u></b>
			CAD/C AM		Cyber Security
			Automobile Air Conditioning		Medical Electronics
			Automotive Chassis and Suspension		Coal Gasification, Coal Bed Methane and Shale Gas
			Vehicle Dynamics		Geo-Informatics
					Intellectual Property Rights
					Environmental Impact Assessment
					Java Programming
					Optimization Technique
					Metallurgy of Non Metallurgists
					Energy Management and Conservation
					Energy Storage Systems
					Entrepreneurship and Small Business Enterprises
					Principles of Computer Communications and Networks
					Soft Computing Techniques
					Design Estimation and Costing of Electrical Systems
					Industrial Management
					Industrial Electronics
					World Class Manufacturing
					Fundamentals of Robotics
					Fabrication Processes
					Introduction to Material Handling
					Remote Sensing and GIS
					Introduction to Aerospace Engineering
					Introduction to Mechatronics
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<b>MINING ENGINEERING (25 - MIE)</b>	Surface Mining Technology	Mineral Process Engineering	Rock Mechanics	<b>Professional Elective - I</b>	<b>(Open Elective-I)</b>
				Mine Systems Engineering	Introduction to Aerospace Engineering
				Remote Sensing and GIS in Mining	Data Structures
				Dimensional Stone Technology	Artificial Neural Networks
				Mineral Exploration	Medical Electronics
					Remote Sensing and GIS
					Geo-Informatics
					Intellectual Property Rights
					Environmental Impact Assessment
					Java Programming
					Software Testing Methodologies
					Cyber Security
					Principles of Computer Communications and Networks
					Soft Computing Techniques
					Design Estimation and Costing of Electrical Systems
					Entrepreneurship and Small Business Enterprises
					Energy Storage Systems
					Optimization Technique
					Introduction to Mechatronics
					Industrial Electronics
					World Class Manufacturing
					Fundamentals of Robotics
					Fabrication Processes
					Introduction to Material Handling
					Non-Conventional Energy Sources
					Robotics
					Metallurgy of Non Metallurgists
					Industrial Management
					Science and Technology of Nano Materials

**Date: 01-06-2019**

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 5000 85

EXAMINATION BRANCH

**III YEAR B.TECH – II SEMESTER– R16 REGULATION COMPUTER BASED TEST(CBT) JUNE-2019**

**T I M E T A B L E**

BRANCH	DATE , DAY & SESSION				
	18-06-2019 TUESDAY	19-06-2019 WEDNESDAY	20-06-2019 THURSDAY	21-06-2019 FRIDAY	22-06-2019 SATURDAY
	11.00 AM TO 11.45 AM	11.00 AM TO 11.45 AM	11.00 AM TO 11.45 AM	11.00 AM TO 11.45 AM	11.00 AM TO 11.45 AM
<b>PETROLEUM ENGINEERING</b>  (27 - PTME)	Drilling Technology	Petroleum Reservoir Engineering	Petroleum Refinery Engineering	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b>
				Pipeline Engineering	Artificial Neural Networks Coal Gasification, Coal Bed Methane and Shale Gas
				Natural Gas Processing	Cyber Security Medical Electronics
				Petrochemical Engineering	Geo-Informatics Intellectual Property Rights
					Environmental Impact Assessment
					Java Programming
					Data Structures
					Metallurgy of Non Metallurgists
					Energy Management and Conservation
					Energy Storage Systems
					Non-Conventional Energy Sources
					Principles of Computer Communications and Networks
					Robotics
					Soft Computing Techniques
					Software Testing Methodologies
					Science and Technology of Nano Materials
					Design Estimation and Costing of Electrical Systems
					Industrial Management
					Industrial Electronics
					World Class Manufacturing
					Fundamentals of Robotics
					Fabrication Processes
					Introduction to Material Handling
					Remote Sensing and GIS
					Introduction to Aerospace Engineering
					Introduction to Mechatronics

**Date: 01-06-2019**



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**III YEAR B.TECH – II SEMESTER– R16 REGULATION COMPUTER BASED TEST(CBT) JUNE-2019**

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<b>CIVIL &amp; ENVIRONMENTAL ENGINEERING</b>  (28-C E E)	Design of Steel Structures	Water Resources Engineering	Waste Water Engineering	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b>
				Air Pollution and Control	Introduction to Aerospace Engineering
				Watershed Management	Data Structures
					Artificial Neural Networks
					Coal Gasification, Coal Bed Methane and Shale Gas
					Medical Electronics
				Environmental Sanitation	Remote Sensing and GIS
					Geo-Informatics
				Environmental Chemistry	Energy Management and Conservation
					Java Programming
					Software Testing Methodologies
					Cyber Security
					Metallurgy of Non Metallurgists
					Science and Technology of Nano Materials
					Robotics
					Principles of Computer Communications and Networks
					Soft Computing Techniques
					Design Estimation and Costing of Electrical Systems
					Energy Storage Systems
					Entrepreneurship and Small Business Enterprises
					Introduction to Mechatronics
					Industrial Electronics
					Industrial Management
					World Class Manufacturing
					Fundamentals of Robotics
					Fabrication Processes
					Introduction to Material Handling
					Non-Conventional Energy Sources
					Optimization Technique

Date:01-06-2019

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EXAMINATION BRANCH

## III YEAR B.TECH – II SEMESTER– R16 REGULATION COMPUTER BASED TEST(CBT) JUNE-2019

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<b>MECHANICAL ENGINEERING (MATERIAL SCIENCE &amp; NANO TECHNOLOGY)</b>  <b>(29 – MSNT)</b>	Engineering Metrology	Properties of Nano Materials	Finite Element Methods	<b>Professional Elective - I</b>	<b><u>(Open Elective-I)</u></b>
				Mechanical Vibrations	Artificial Neural Networks
					Coal Gasification, Coal Bed Methane and Shale Gas
					Cyber Security
					Medical Electronics
				Refrigeration and Air conditioning	Software Testing Methodologies
					Science and Technology of Nano Materials
					Geo-Informatics
					Data Structures
				Operations Research	Intellectual Property Rights
					Environmental Impact Assessment
					Java Programming
				Maintenance and Safety Engineering	Optimization Technique
					Metallurgy of Non Metallurgists
					Energy Management and Conservation
					Energy Storage Systems
					Entrepreneurship and Small Business Enterprises
					Principles of Computer Communications and Networks
					Soft Computing Techniques
					Design Estimation and Costing of Electrical Systems
					Industrial Management
					Industrial Electronics
					Introduction to Aerospace Engineering
					World Class Manufacturing
					Fundamentals of Robotics
					Fabrication Processes
					Introduction to Mechatronics
					Remote Sensing and GIS

**SD/-**

**CONTROLLER OF EXAMINATIONS**

**Date: 01-06-2019**

**Note:** ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.

- (i) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL
- (ii) READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS/ARE NOT SHOWN IN THE TIME-TABLE] IN PLACE OF THE SUBJECT(S) ALREADY PASSED. FOR DETAILS OF SUBSTITUTE SUBJECTS REFER THE COMMUNICATIONS RECEIVED FROM THE DIRECTOR OF ACADEMIC & PLANNING.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

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**EXAMINATION BRANCH**

**III YEAR B.TECH – II SEMESTER– R16 REGULATION COMPUTER BASED TEST(CBT) JUNE-2019**

**T I M E T A B L E**