



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## राजस्थान तकनीकी विश्वविद्यालय, कोटा

### **ATTENTION –III SEM BACK STUENTS**

For all batches of III Semester of B.Tech./B.Arch. including Main, Back and old Back, there shall be combined and common examinations schedule. No. separate examination shall be held for III Sem (Old) Back.

The total subject matrix is displayed on website. This is based on class session of Students. Students should carefully go through the [subject details and subject codes](#).

**Class Session** :- This is the year when a student appeared in III Semester for the first time. For example a student admitted in I year in 2007-08 appeared in III semester in 2008-09. So his class session shall be 2008-09.

**Subject Code** :- Please see subject code carefully. The codes such as 3CE, 3ME3, etc refer to old syllabus. The codes 3CE1A, 3EC6A refer to new syllabus (where 'A' is suffix). The back students are required to see [subject listed](#) as per there class session carefully read the subject code and accordingly see the relevant syllabus on website.

Equivalence between old and new schemes is provided below:

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Electrical Engg. -EE</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3EE1	Power Electronics I	3EE1A	Electronic Devices & Circuits
3EE2	COMPUTER PROGRAMMING -I	3EE4A	Object Oriented Programming
3EE3	CIRCUIT ANALYSIS-I	3EE2A	Circuit Analysis-I
3EE4	ELECTRICAL MACHINES-I	3EE5A	Electrical Machines-I
3EE5	Electrical Measurements		No equivalence
3EE6.1	MATHEMATICS	3EE6A	Advanced Engg. Mathematics-I

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Electrical Engg. -EE</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4EE1	Power Electronics- II		No equivalence
4EE2	Digital Electronics		No equivalence
4EE3	ELECTRICAL MACHINES-II	4EE5A	Electrical Machines-II
4EE4	Computer programming-II		No equivalence
4EE5	CIRCUIT ANALYSIS-II	4EE2A	Circuit Analysis-II
4EE6.1	ADVANCED MATHEMATICS	4EE6A	Advanced Engineering Mathematics-II

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Electrical &amp; Electronics Engg. -EEE</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3EX1	Mathematics-III	3EX6A	Advance Engineering Mathematics-I
3EX2	Object oriented programming using c++	3EX4A	Object Oriented Programming
3EX3	Circuit analysis & synthesis	3EX2A	Circuit Analysis and Synthesis
3EX4	Electronic devices & circuits	3EX1A	Electronic Devices & Circuits
3EX5	Electrical & Electronics Measurement		No equivalence
3EX6.1	Data structures & Algorithm		No equivalence

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Electrical &amp; Electronics Engg. -EEE</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4EX1	Electrical Machines -I		No equivalence
4EX2	Digital Electronics		No equivalence
4EX3	Electrical engineering materials	4EX4A	Electrical Engineering Materials
4EX4	Applied electronics	4EX1A	Analog Electronics
4EX5	Linear integrated circuits	4EX2A	Linear Integrated Circuits
4EX6.1	Eletromagnetic field theory		No equivalence

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Mechanical Engg. -ME</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3ME1	Mech. of Solids	3ME1A	Mech. Of Solids-I
3ME2	Material Science & Engg.	3ME2A	Material Science And Engg.
3ME3	Engg. Thermodynamics	3ME3A	Engg. Thermodynamics
3ME4	Manufacturing Processes	3ME4A	Manufacturing Processes
3ME5	Object Oriented Programming in C ++	3ME5A	Object Oriented Programming In C ++
3ME6	Advanced Engg. Mathematics	3ME6A	Advanced Engg. Mathematics

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Mechanical Engg. -ME</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4ME1	Design of M/c Elements - I	4ME4A	Design Of Machine Elements – I
4ME2	Automobile Engineering		No equivalence
4ME3	Fluid Mechanics	4ME2A	Fluid Mechanics
4ME4	Machining & Machine Tools	4ME3A	Machining And Machine Tools
4ME5	Kinematics of Machines	4ME1A	Kinematics Of Machines
4ME6	Measurement & Control		No equivalence

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	B.Tech	Branch	P&IE -PI
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3PI1	Mech. of Solids	3PI1A	Mechanics of Solids
3PI2	Material Science & Engg.	3PI2A	Material Science and Engineering
3PI3	Engg. Thermodynamics	3PI3A	Engineering Thermodynamics
3PI4	Manufacturing Processes		No equivalence
3PI5	Object Oriented Programming in C++		No equivalence
3PI6	Advanced Engg. Mathematics	3PI6A	Advanced Engg. Mathematics

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	B.Tech	Branch	P&IE -PI
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4PI1	Design of M/C Elements - I	4PI4A	Design of Machine Elements - I
4PI2	Theory of Machines	4PI3A	Theory of Machines
4PI3	Fluid Engineering	4PI2A	Fluid Engineering
4PI4	Machining & Machine Tools	4PI5A	Machining Processes & Machine Tools
4PI5	Measurement and Metrology		No equivalence
4PI6	Principles & Practices of Management	4PI6A	Principles and Practices of Management

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Automobile Engg. -AE</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3AE1	Mechanics of solids	3AE1A	Mechanics of Solids-I
3AE2	Material science & engineering	3AE2A	Material Science and Engineering
3AE3	Engineering thermodynamics	3AE3A	Engineering Thermodynamics
3AE4	Manufacturing processes	3AE4A	Manufacturing Processes
3AE5	Object oriented programming in C++	3AE5A	Object Oriented Programming in C ++
3AE6	Advanced engineering mathematics	3AE6A	Advanced Engg. Mathematics

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Automobile Engg. -AE</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4AE1	Design of Machine Elements - I	4AE4A	Design Of Machine Elements – I
4AE2	Automotive Systems		No equivalence
4AE3	Fluid Engineering	4AE2A	Fluid Mechanics
4AE4	Machining & Machine Tools	4AE3A	Machining And Machine Tools
4AE5	I.C. Engines	4AE6A	I.C. Engines
4AE6	Mechanical Measurement & Control		No equivalence

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	B.Tech	Branch	Civil Engg. -CE
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3CE1	Strength of Materials & Mechanics of Structures- I	3CE1A	Strength of Materials-I
3CE2	Building Materials and Construction		No equivalence
3CE3	Engineering Geology	3CE3A	Engineering Geology
3CE4	Computer Application in Civil Engineering		No equivalence
3CE5	Fluid Mechanics	3CE5A	Fluid Mechanics
3CE6	Engineering Mathematics	3CE6A	Advanced Engineering Mathematics

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	B.Tech	Branch	Civil Engg. -CE
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4CE1	Strength of Materials & Mechanics of Structures- II	4CE1A	Strength of Materials-II
4CE2	Concrete & Construction Technology		No equivalence
4CE3	Hydraulics and Hydraulic Machines	4CE3A	Hydraulics & Hydraulic Machines
4CE4	Surveying - I	4CE4A	Surveying-I
4CE5	Building Technology	4CE5A	Building Planning
4CE6.1	Rock Mechanics		No equivalence
4CE6.2	Optimization Technique		No equivalence
4CE6.3	Advanced Mathematics		No equivalence

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Electronics &amp; Communication Engg. -EC</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3EC1	Mathematics-III	3EC6A	Advanced Engineering Mathematics-I
3EC2	Electronic Devices & Circuits	3EC1A	Electronic Devices & Circuits
3EC3	Circuit Analysis & Synthesis	3EC4A	Circuit Analysis & Synthesis
3EC4	Electronic Measurements & Instrumentation		No equivalence
3EC5	Electronic Materials and processes	3EC5A	Electromagnetic Properties Of Materials
3EC6	Data Structures & Algorithms	3EC2A	Data Structures & Algorithms

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Electronics &amp; Communication Engg. -EC</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4EC1	Mathematics-IV	4EC6A	Advanced Engineering Mathematics-II
4EC2	Analog Electronics	4EC1A	Analog Electronics
4EC3	Digital Electronics		No equivalence
4EC4	Electromagnetic Field Theory	4EC4A	Electromagnetic Field Theory
4EC6.1 4EC6.2 4EC6.3	Object Oriented Programming Data Base Management System Computer Graphics		No equivalence

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.



Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Electronic Instrumentation &amp; Control Engg. -EI</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3EI1	Mathematics-III	3EI6A	Advanced Engineering Mathematics-I
3EI2	Electronic Devices & Circuits	3EC1A	Electronic Devices & Circuits
3EI3	Circuit Analysis & synthesis	3EI4A	Circuit Analysis & synthesis
3EI4	Electrical Measurements		No equivalence
3EI5	Electrical Technology		No equivalence
3EI6	Data Structures & Algorithms	3EI2A	Data Structures & Algorithms

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Electronic Instrumentation &amp; Control Engg. -EI</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4EI1	Control System I	4EI2A	Control System I
4EI2	Analog Electronics	4EI1A	Analog Electronics
4EI3	Digital Electronics		No equivalence
4EI4	Transducers in Instrumentation	4EI4A	Sensors and Transducers
4EI5	Analog Communication	4EI5A	Analog Communication
4EI6	Elective (any one of the following)		No equivalence
4EI6.1	Object Oriented Programming		
4EI6.2	Electromagnetic Field Theory		
4EI6.3	Mathematics -IV		

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

## Equivalence of Subjects

Program	<b>B.Tech</b>	Branch	<b>Information Technology-IT</b>
<b>Code</b>	<b>Subject in Old Sceme</b>	<b>Code</b>	<b>Subject in New Sceme</b>
3IT1	Mathematics III	3IT6A	Advanced Engineering Mathematics
3IT2	Electronic Devices & Circuits	3IT1A	Electronic Devices and Circuits
3IT3	Data Structures and Algorithms	3IT2A	Data Structures and Algorithms
3IT4	Object Oriented Programming	3IT4A	Object Oriented Programming
3IT5	Digital Electronics	3IT3A	Digital Electronics
3IT6.1	Optical Communication		No Equivalent
3IT6.2	Fundamentals of Linux & Shell Programming	3IT5A	Linux and Shell Programming
3IT6.3	Management Information Systems		No Equivalence
<b>Code</b>	<b>Subject in Old Sceme</b>	<b>Code</b>	<b>Subject in New Sceme</b>
4IT1	Microprocessor and Interfaces	4IT1A	Microprocessor and Interfaces
4IT2	Principles of Programming Languages	4IT6A	Principles of Programming Languages
4IT3	Discrete Mathematical Structures	4IT2A	Discrete Mathematical Structures
4IT4	Statistics and Probability Theory	4IT3A	Statistics and Probability Theory
4IT5	Software Engineering	4IT4A	Software Engineering
4IT6.1	Analog & Digital Communication	4IT5A	fundamentals of Communication
4IT6.2	Linear integrated Circuits		No Equivalence
4IT6.3	Logic & Functional Programming		No Equivalence

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

## Equivalence of Subjects

Program	<b>B.Tech</b>		Branch	<b>Computer Science- CS</b>
<b>Subject in Old Sceme</b>			<b>Subject in New Sceme</b>	
<b>Code</b>	<b>Subject Name</b>		<b>Code</b>	<b>Subject Name</b>
3CS1	Mathematics III		3CS6A	Advanced Engineering Mathematics
3CS2	Electronic Devices & Circuits		3CS1A	Electronic Devices and Circuits
3CS3	Data Structures and Algorithms		3CS2A	Data Structures and Algorithms
3CS4	Object Oriented Programming		3CS4A	Object Oriented Programming
3CS5	Digital Electronics		3CS3A	Digital Electronics
3CS6.1	Optical Communication			No Equivalent
3CS6.2	Fundamentals of Linux & Shell Programming		3CS5A	Linux and Shell Programming
3CS6.3	Management Information Systems			No Equivalent
<b>Subject in Old Sceme</b>			<b>Subject in New Sceme</b>	
<b>Code</b>	<b>Subject Name</b>		<b>Code</b>	<b>Subject Name</b>
4CS1	Microprocessor and Interfaces		4CS1A	Microprocessor and Interfaces
4CS2	Principles of Programming Languages		4CS6A	Principles of Programming Languages
4CS3	Discrete Mathematical Structures		4CS2A	Discrete Mathematical Structures
4CS4	Statistics and Probability Theory		4CS3A	Statistics and Probability Theory
4CS5	Software Engineering		4CS4A	Software Engineering
4CS6.1	Analog & Digital Communication		4CS5A	fundamentals of Communication
4CS6.2	Linear integrated Circuits			No Equivalence
4CS6.3	Logic & Functional Programming			No Equivalence

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Textile Chemistry -TC</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3TC1	Textile Fibers	3TC1A	Textile Fibers
3TC2	Principles of Textile Manufacturing – I	3TC2A	Principles of Textile Manufacturing -I
3TC3	Physical Chemistry	3TC3A	Physical Chemistry
3TC4	Introduction to Wet Processing	3TC4A	Introduction to Wet Processing
3TC5	Electronics & Microprocessors in Textiles		No equivalence
	Electives		No equivalence
3TC6.1	Applied Statistics		
3TC6.2	Nano technology		

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Textile Chemistry -TC</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4TC1	Principles of Textile Manufacturing – II	4TC1A	Principles of Textile Manufacturing – II
4TC2	Analytical Chemistry	4TC2A	Analytical Chemistry
4TC3	Theory of Dyeing	4TC3A	Theory of Dyeing
4TC4	Fabric Preparation	4TC4A	Fabric Preparation
4TC5	Structure & Properties of Fibers		No equivalence
	Elective	4TC6A	No equivalence
4TC6.1	Object Oriented Programming		
4TC6.2	Applied Mechanics		

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Textile Engineering-TE</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3TE1	Mechanisms of Yarn Manufacturing – I	3TE1A	Mechanisms of Yarn Manufacturing – I
3TE2	Mechanisms of Fabric Manufacturing – I		No equivalence
3TE3	Textile Raw Material	3TE3A	Textile Fibres
3TE4	Engineering Manufacturing Processes	3TE4A	Engineering Manufacturing Processes
3TE5	Applied Electronics		No equivalence
	Electives		No equivalence
3TE6.1	Applied Statistics		
3TE6.2	Nano Technology		

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	<b>B.Tech</b>	Branch	<b>Textile Engineering -TE</b>
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4TE1	Mechanisms of Yarn Manufacturing – II	4TE1A	Mechanisms of Yarn Manufacturing – II
4TE2	Mechanisms of Fabric Manufacturing – II		No equivalence
4TE3	Fabric Designing	4TE4A	Fabric Designing
4TE4	Applied Mechanics	4TE5A	Applied Mechanics
4TE5	Microprocessor Applications in Textiles		No equivalence
	Elective		No equivalence
4TE6.1	Numerical Analysis		
4TE6.2	Industrial Management		

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	B.Tech	Branch	Textile Technology-TT
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
3TT1	Yarn Manufacturing – I	3TT1A	Yarn Manufacturing – I
3TT2	Fabric Manufacturing – I	3TT2A	Fabric Manufacturing – I
3TT3	Weaving Preparation – I	3TT4A	Weaving Preparation – I
3TT4	Textile Fibers	3TT3A	Textile Fibers
3TT5	Electronics & Microprocessors in Textiles		No equivalence
3TT6.1	Elective Applied Statistics		No equivalence
3TT6.2	Nano Technology		

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	B.Tech	Branch	Textile Technology -TT
Subject in Old Sceme		Equivalent Subject in New Sceme	
Code	Name	Code	Name
4TT1	Yarn Manufacturing – II	4TT1A	Yarn Manufacturing – II
4TT2	Fabric Manufacturing – II	4TT2A	Fabric Manufacturing – II
4TT3	Weaving Preparation – II	4TT3A	Weaving Preparation – II
4TT4	Fabric Structure		No equivalence
4TT5	Structure & Properties of Fibers		No equivalence
4TT6.1	Electives Object Oriented Programming		No equivalence
4TT6.2	Applied mechanics		

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	B.Tech	Branch	Ceramic Engg. -CR
Subject in Old Scheme		Equivalent Subject in New Scheme	
Code	Name	Code	Name
3CRE1	Ceramic Raw Materials and Characterization	3CR1A	Ceramic Raw Materials and Characterization
3CRE2	Ceramic Processing	3CR2A	Ceramic Processing
3CRE3	Materials Science	3CR3A	Materials Science
3CRE4	Mathematics-III	3CR6A	Advanced Engg. Mathematics-1
3CRE5	Electronic Measurement & Instrumentation	3CR4A	Electronic Measurement & Instrumentation
3CRE6	Theory of Solid Mechanics	3CR5A	Theory of Solid Mechanics

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.

Equivalence of Subjects			
Program	B.Tech	Branch	Ceramic Engg. -CR
Subject in Old Scheme		Equivalent Subject in New Scheme	
Code	Name	Code	Name
4CRE1	Ceramic Analysis and Instrumentation	4CR1A	Ceramic Analysis and Instrumentation
4CRE2	Heat and Mass Transfer	4CR2A	Heat and Mass Transfer
4CRE3	Particle and Fluid Mechanics	4CR3A	Particle and Fluid Mechanics
4CRE4	Electric Properties of Materials	4CR4A	Electric Properties of Materials
4CRE5	Mathematics-IV	4CR5A	Advanced Engg. Mathematics-2
4CRE6.1	Data Base Management System	4CR6A	Data Base Management System
4CRE6.2	Introduction to Nano technology		No equivalence
4CRE6.3	Newer Machining Methods		No equivalence

Note: University exams for Subjects (in old scheme) having "No equivalence" in new scheme will be held separately as per old syllabus.