

RAJASTHAN TECHNICAL UNIVERSITY, KOTA
B.TECH SCHEME

SEMESTER V		Hrs./Week			IA	Exam	Total		
Subject Code	Title	L	T	P					
5AE1A	Heat Transfer	3	1	Theory Subjects	20	80	100		
5AE2A	Dynamics of Machines	3	1		20	80	100		
5AE3A	Automotive Systems	3			20	80	100		
5AE4A	Computer Application in Automobile Engineering	3			20	80	100		
5AE5A	Sociology and Economics for Engineers	3			20	80	100		
5AE6A	Mechanical Measurement and Control	3			20	80	100		
Practical and Sessionals		Lab Course							
5AE7A	Heat Transfer Lab				3		45	30	75
5AE8A	Dynamics of Machine Lab				2		45	30	75
5AE9A	Mechanical Measurement and Control Lab				2		45	30	75
5AE10A	Professional Ethics and Disaster Management				2		45	30	75
5AE11A	Computer Application in Automobile Engineering Lab				3		30	20	50
5AEDC	Discipline and Extra Curricular Activity					50			
Total		18	2	12			1000		

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SEMESTER VI		Hrs./Week			IA	Exam	Total		
Subject Code	Title	L	T	P					
6AE1A	Design of Machine elements- II	3		Theory Subjects	20	80	100		
6AE2A	Advanced I.C. Engine	3			20	80	100		
6AE3A	Auto Emission and Pollution Control	3			20	80	100		
6AE4A	Auto Chassis and Auto System Design	3			20	80	100		
6AE5A	Vehicle Body and Aerodynamics	3			20	80	100		
6AE6A	Auto Electrical and Electronics	3			20	80	100		
Practical and Sessionals		Lab Course							
6AE7A	Machine design Sessional-II				2		45	30	75
6AE8A	Auto Electrical and Electronics Lab				2		30	20	50
6AE9A	Vehicle Body Engineering Lab				2		45	30	75
6AE10A	I.C. Engines Lab – II				2		45	30	75
6AE11A	Auto Emission and Pollution Lab	2		45	30	75			
6AEDC	Discipline and Extra Curricular Activity					50			
Total		18		10			1000		

B.TECH SCHEME

		Hrs./Week					
SEMESTER VII		L	T	P	IA	Exam	Total
Subject Code	Title						
7AE1A	Vehicle Dynamics	3		Theory Subjects	20	80	100
7AE2A	Industrial Robotics and Automation	3			20	80	100
7AE3A	Mechanical Vibrations and Noise Control	3			20	80	100
7AE4A	Automotive Transmission	3			20	80	100
7AE5A	Automotive Refrigeration And Airconditioning	3			20	80	100
7AE6.1 A	Fuel Cell, Hybrid and Electrical Vehicle	3					
7AE6.2 A	Quality Control						
7AE6.3A	Automation and CAM				20	80	100
Practical and Sessionals							
7AE7A	Mechanical Vibration and Vehicle Dynamics Lab	Lab Course		2	45	30	75
7AE8A	Automotive Transmission Lab			2	30	20	50
7AE9A	Industrial Robotics and Automation Lab			2	45	30	75
7AETR	Practical training			2	0	100	100
7AEPR	Project Stage – I			2	50	0	50
7AEDC	Discipline and Extra Curricular Activity						
Total		18		10			1000

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		Hrs./Week							
SEMESTER VIII		L	T	P	IA	Exam	Total		
Subject Code	Title								
8AE1A	Alternative Fuels and Engine Tribology	3		Theory Subjects	20	80	100		
8AE2A	Automotive Maintenance and Management	3			20	80	100		
8AE3A	Tractor and Earth Moving Machinerics	3			20	80	100		
8AE4.1 A	Industrial Engineering	3							
8AE4.2 A	Vehicle Transport Management								
8AE4.3A	Mechatronics					20	80	100	
Practical and Sessionals									
8AE5A	Auto Maintenance and Reconditioning Lab	Lab Course		2	75	50	125		
8AE6A	Advanced Automobile Engineering Lab			2	75	50	125		
8AESM	Seminar			2	60	40	100		
8AEPR	Project Stage – II			4	120	80	200		
8AEDC	Discipline and Extra Curricular Activity						30	20	50
Total				12		10			1000