

Scheme of  
UNDERGRADUATE DEGREE COURSE

**B.Tech. V & VI Semester**

**Mechanical Engineering**



Rajasthan Technical University, Kota  
Effective from session: 2022-23



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B.Tech. : Mechanical Engineering 3<sup>rd</sup> Year -V Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	5ME3-01	Mechatronic Systems	2	0	0	3	30	70	100	2
2	PCC/ PEC	5ME4-02	Heat Transfer	3	0	0	3	30	70	100	3
3		5ME4-03	Manufacturing Technology	3	0	0	3	30	70	100	3
4		5ME4-04	Design of Machine Elements I	3	0	0	3	30	70	100	3
5		5ME4-05	Principles of Management	2	0	0	3	30	70	100	2
6		Professional Elective I (any one)	3	0	0	3	30	70	100	3	
		5ME5-11	Steam Engineering								
		5ME5-12	Automobile Engineering								
		5ME5-13	Non Destructive Evaluation & Testing								
<b>Sub Total</b>				<b>16</b>	<b>0</b>	<b>0</b>					<b>16</b>
PRACTICAL & SESSIONAL											
7	ESC	5ME3-21	Mechatronic Lab	0	0	2	2	60	40	100	1
8	PCC	5ME4-22	Heat Transfer lab	0	0	2	2	60	40	100	1
9		5ME4-23	Production Engineering Lab	0	0	2	2	60	40	100	1
10		5ME4-24	Machine Design Practice I	0	0	2	2	60	40	100	1
11	PSIT	5ME7-30	Industrial Training	0	0	1	1	60	40	100	2.5
12	SODE CA	5ME8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5
<b>Sub- Total</b>				<b>0</b>	<b>0</b>	<b>9</b>					<b>7</b>
<b>TOTAL OF V SEMESTER</b>				<b>16</b>	<b>0</b>	<b>9</b>					<b>23</b>

*L: Lecture, T: Tutorial, P: Practical, Cr: Credits*

*ETE: End Term Exam, IA: Internal Assessment*

Office of Dean Academic Affairs  
Rajasthan Technical University, Kota



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B. Tech.: Mechanical Engineering 3<sup>rd</sup> Year – VI Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	6ME3-01	Measurement and Metrology	2	0	0	3	30	70	100	2
2	PCC/ PEC	6ME4-02	CIMS	3	0	0	3	30	70	100	3
3		6ME4-03	Mechanical Vibrations	3	0	0	3	30	70	100	3
4		6ME4-04	Design of Machine Elements II	3	0	0	3	30	70	100	3
5		6ME4-05	Quality Management	3	0	0	3	30	70	100	3
6		Professional Elective II (any one)	3	0	0	3	30	70	100	3	
		6ME5-11	Refrigeration and Air Conditioning								
		6ME5-12	NON Conventional Machining Methods								
		6ME5-13	MEMS and Microsystems								
			<b>Sub Total</b>		<b>17</b>	<b>0</b>	<b>0</b>				
PRACTICAL & SESSIONAL											
7	PCC	6ME4-21	CIMS Lab	0	0	3	3	60	40	100	1.5
8		6ME4-22	Vibration Lab	0	0	3	3	60	40	100	1.5
9		6ME4-23	Machine Design Practice II	0	0	3	3	60	40	100	1.5
10		6ME4-24	Thermal Engineering Lab I	0	0	3	3	60	40	100	1.5
11	SODE CA	6ME8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5
		<b>Sub- Total</b>		<b>0</b>	<b>0</b>	<b>12</b>					<b>6.5</b>
		<b>TOTAL OF VI SEMESTER</b>		<b>17</b>	<b>0</b>	<b>12</b>					<b>23.5</b>

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