

Scheme of
UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Automobile Engineering



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



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech. : Automobile Engineering 3rd Year –V Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	5AE3-01	Mechatronic Systems	2	0	0	3	30	70	100	2
2	PCC/ PEC	5AE4-02	Heat Transfer	3	0	0	3	30	70	100	3
3		5AE4-03	Manufacturing Technology	3	0	0	3	30	70	100	3
4		5AE4-04	Design of Machine Elements I	3	0	0	3	30	70	100	3
5		5AE4-05	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	
		5AE5-11	Steam Engineering								
		5AE5-12	Automobile Engineering								
		5E5-13	Non Destructive Evaluation & Testing								
Sub Total				16	0	0					16
PRACTICAL & SESSIONAL											
7	ESC	5AE3-21	Mechatronic Lab	0	0	2	2	60	40	100	1
8	PCC	5AE4-22	Heat Transfer lab	0	0	2	2	60	40	100	1
9		5AE4-23	Production Engineering Lab	0	0	2	2	60	40	100	1
10		5AE4-24	Machine Design Practice – I	0	0	2	2	60	40	100	1
12	PSIT	5AE7-30	Industrial Training	0	0	1		60	40	100	2.5
13	SODE CA	5AE8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5
Sub- Total				0	0	9					7
TOTAL OF V SEMESTER				16	0	9					23

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.: Automobile Engineering 3rd Year – VI Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	6AE3-01	Measurement and Metrology	2	0	0	3	30	70	100	2
2	PCC/ PEC	6AE4-02	Auto emission and pollution control	3	0	0	3	30	70	100	3
3		6AE4-03	Mechanical Vibrations	3	0	0	3	30	70	100	3
4		6AE4-04	Auto Electrical and Electronics	3	0	0	3	30	70	100	3
5		6AE4-05	Design of Machine Elements II	3	0	0	3	30	70	100	3
6		Professional Elective II (any one)	3	0	0	3	30	70	100	3	
		6AE5-11	Refrigeration and Air Conditioning								
		6AE5-12	CIMS								
		6AE5-13	Quality Management								
		Sub Total		17	0	0					17
PRACTICAL & SESSIONAL											
7	PCC	6AE4-21	Auto Electrical and Electronics Lab	0	0	3	3	60	40	100	1.5
8		6AE4-22	Vibration Lab	0	0	3	3	60	40	100	1.5
9		6AE4-23	Machine Design Practice - II	0	0	3	3	60	40	100	1.5
10		6AE4-24	Thermal Engineering Lab I	0	0	3	3	60	40	100	1.5
11	SODE CA	6AE8-00	Social Outreach, Discipline & Extra Curricular Activities						100	100	0.5
		Sub- Total		0	0	12					6.5
		TOTAL OF VI SEMESTER		17	0	12					23.5

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