

PROPOSED CURRICULAR STRUCTURE FOR PART-II (2ND YEAR) OF THE FULL TIME
DIPLOMA COURSE IN AUTOMOBILE ENGINEERING

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION													
TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES													
BRANCH: DIPLOMA IN AUTOMOBILE ENGINEERING										SEMESTER: THIRD			
SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME							
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TW	TOTAL MARKS
						TA	CT	TOTAL		INT	EXT		
1	Fundamentals of Electronics (AE)	2	2	-	-	5	10	15	35	--	-	-	50
2	Advanced strength of Materials (AE)	2	2	-	-	5	10	15	35	-	-	-	50
3	Heat Power Engineering -I	3	3	-	-	10	20	30	70			-	100
4	Automotive Engines	3	3	-		10	20	30	70			-	100
5	Automotive Chassis –I	3	3	-		10	20	30	70			-	100
6	Materials Science and Manufacturing Process	3	3	-	-	10	20	30	70			-	100
7	Automobile Engineering Drawing.	3	1	-	3	-	-	-	-	50	50	-	100
8	Automotive Engine Lab.	2			4					25	25		50
9	Automotive Chassis –I Laboratory	1			2					25	25		50
10	Materials Science and Manufacturing Process Laboratory	1			3					25	25		50
11	Electrical & Electronics Laboratory	1	-	-	2	-	-	-	-	25	25	-	50
12	Professional Practice –I(AE)	1	-	-	2	-	-	-	-	25	25		50
		25	17		16	50	100	150	350	175	175	-	850

STUDENT CONTACT HOURS PER WEEK: 33Hrs.
Theory and Practical Period of 60 Minutes each.
L – Lecturer, TU –Tutorial, PR – Practical, TA – Teachers’ Assessment, CT – Class Test, ESE – End Semester Exam., TW – Term Work.

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TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES														
BRANCH: DIPLOMA IN AUTOMOBILE ENGINEERING										SEMESTER: FORTH				
SR. NO.	SUBJECT	CREDIT S	PERIODS			EVALUATION SCHEME								
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TW	TOTAL MARKS	
						TA	CT	TOTAL		INT	EXT			
1	Development of life skill - II	2	1		2						25	25	-	50
2	Heat Power Engineering -II	2	2	-	-	5	10	15	35				-	50
3	Computer Programming	2	1	-	2	-	-	-	-		25	25	-	50
4	Advanced Automobile Engines	3	3	-	-	10	20	30	70				-	100
5	Automobile Transmission System	3	3	-		10	20	30	70				-	100
6	Automobile Manufacturing Process	3	3	-		10	20	30	70				-	100
7	Theory of Machines & Mechanism (AE)	3	3	1	-	10	20	30	70			25		125
8	Advanced Automobile Engine Laboratory	2	-	-	3	-	-	-	-		25	25	-	50
9	Automobile Transmission System Laboratory	1			2	-	-	-	-		25	25	-	50
10	Automobile Manufacturing Process Laboratory	1	-	-	2	-	-	-	-		25	25	-	50
11	Heat Power Engineering Laboratory	1	-	-	2	-	-	-	-		25	25	-	50
12	Professional Practice –II(AE)	2	-	-	3	-	-	-	-		25	25	-	50
		25	16	1	16	45	90	135	315		175	175	25	825

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PROPOSED CURRICULAR STRUCTURE FOR PART-III (3RD YEAR) OF THE FULL TIME
DIPLOMA COURSE IN AUTOMOBILE ENGINEERING

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION													
TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES													
BRANCH: DIPLOMA IN AUTOMOBILE ENGINEERING										SEMESTER: FIFTH			
SR. NO.	SUBJECT	CREDIT S	PERIODS			EVALUATION SCHEME							
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TW	TOTAL MARKS
						TA	CT	TOTAL		INT	EXT		
1	Automobile Component Design	2	2	-		5	10	15	35			-	50
2	Automotive Chassis-II	3	3	-	-	10	20	30	70			-	100
3	Hydraulics & Pneumatics	3	3	-	-	10	20	30	70			-	100
4	Earth Moving Equipments & Farm Machinery	3	3	-	-	10	20	30	70			-	100
5	Elective-I (AE)	3	2	1	-	10	20	30	70			25	125
5(a)	Mechatronics (AE)												
5(b)	Vehicle Aerodynamics and Design												
5(c)	Vehicle Testing												
5(d)	Environmental Pollution and Control												
6	Automotive Electrical & Electronics	3	3	-	-	10	20	30	70			-	100
7	Automobile Component Design Practical	1			2					25	25		50
8	Automotive Chassis-II Lab.	1			2					25	25		50
9	Automotive Electrical & Electronics Laboratory	1			2					25	25		50
10	Strength of Material And Hydraulic & Pneumatic Laboratory	2	-	-	4	-	-	-	-	39	36	-	75
11	Project & Entrepreneurship Development (AE)	2	1	-	2	-	-	-	-	25	25	-	50
12	Professional Practice-III(AE)	2	-	-	3	-	-	-	-	25	25		50
		26	17	1	15	55	110	165	385	164	161	25	900

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TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES													
BRANCH: DIPLOMA IN AUTOMOBILE ENGINEERING										SEMESTER: SIXTH			
SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME							
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TW	TOTAL MARKS
						TA	CT	TOTAL		INT	EXT		
1	Industrial Management	3	3	-	-	10	20	30	70	-	-	-	100
2	Workshop Organisation & Vehicle Maintenance Management	3	3	1	-	10	20	30	70	-	-	-	100
3	M.V Act & Transport Management	3	3	-	-	10	20	30	70	-	-	-	100
4	Elective –II (AE)	3	3	1	-	10	20	30	70	-	-	25	125
4(a)	Alternate Energy Source And Management (AE)												
4(b)	CAD – CAM And Automation (AE)												
4(c)	Automobile Air-Conditioning												
4(d)	Special Purpose Vehicles												
5	Workshop Organisation & Vehicle Maintenance Management Workshop	3	-	-	6	-	-	-	-	50	50	-	100
6	Industrial Project	3	-	-	6	-	-	-	-	50	50	-	100
7	Professional Practice-IV(AE)	2	-	-	3	-	-	-	-	25	25	-	50
8	Driving Practice	2	-	-	4	-	-	-	-	25	25	-	50
9	Grand Viva-voce	2	-	-		-	-	-	-	50	50	-	100
		24	12	2	19	40	80	120	280	200	200	25	825
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