

**CURRICULAR STRUCTURE FOR PART – II (Semester III) OF THE  
FULL-TIME DIPLOMA COURSES IN MECHANICAL ENGINEERING**

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION														
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES														
COURSE NAME: FULL TIME DIPLOMA IN : MECHANICAL ENGINEERING														
DURATION OF COURSE: 6 SEMESTERS														
SEMESTER: THIRD														
BRANCH: : MECHANICAL ENGINEERING														
SI No	SUBJECT	CREDITS			PERIODS			EVALUATION SCHEME						
		TH	PR	Total	L	T U	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
								TA	CT	TOTAL		INT	EXT	
1	Advanced Strength of Materials	2	1	3	2	-	2	5	10	15	35	25	25	100
2	Thermal Engineering-I	3	1	4	3	-	2	10	20	30	70	25	25	150
3	Manufacturing Processes I	3	2	5	3	-	4	10	20	30	70	50	50	200
4	Fundamentals of Electronics	3	1	4	3	-	2	10	20	30	70	25	25	150
5	Engineering Materials	3	0	3	3	-	-	10	20	30	70	-	-	100
6	M.E.Drawing	3	2	5	3	-	4	5	10	15	35	50	50	150
7	Professional Practice-I	0	1	1	-	-	2	-	-	-	-	25	25	50
<b>TOTAL</b>		<b>17</b>	<b>8</b>	<b>25</b>	<b>17</b>	<b>-</b>	<b>16</b>	<b>50</b>	<b>100</b>	<b>150</b>	<b>350</b>	<b>200</b>	<b>200</b>	<b>900</b>

STUDENT CONTACT HOURS PER WEEK:33 hrs  
Theory and Practical Period of 60 Minutes each.  
L- Lecture, TU- Tutorials, PR- Practical, INT-Internal Assessment , EXT-External Assessment, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

**CURRICULAR STRUCTURE FOR PART – II (Semester IV) OF THE  
FULL-TIME DIPLOMA COURSES IN MECHANICAL ENGINEERING**

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION														
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES														
COURSE NAME: FULL TIME DIPLOMA IN : MECHANICAL ENGINEERING														
DURATION OF COURSE: 6 SEMESTERS														
SEMESTER: FOURTH														
BRANCH: : MECHANICAL ENGINEERING														
SI No	SUBJECT	CREDITS			PERIODS			EVALUATION SCHEME						
		TH	PR	Total	L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
								TA	CT	TOTAL		INT	EXT	
1	Development of Life Skill-II	1	1	2	1	-	2	-	-	-	-	25	25	50
2	Thermal Engineering-II	3	1	4	3	-	2	10	20	30	70	25	25	150
3	Manufacturing Processes II	3	2	5	3	-	4	10	20	30	70	50	50	200
4	Principles of Electrical Engineering	3	1	4	3	-	2	10	20	30	70	25	25	150
5	Engineering Metrology	2	1	3	2	-	2	5	10	15	35	25	25	100
6	Theory of Machines & Mechanism	3	1	4	3	-	2	10	20	30	70	25	25	150
7	Professional Practice-II	0	2	2	-	-	3	-	-	-	-	25	25	50
<b>TOTAL</b>		<b>15</b>	<b>9</b>	<b>24</b>	<b>24</b>	<b>-</b>	<b>17</b>	<b>45</b>	<b>90</b>	<b>135</b>	<b>315</b>	<b>200</b>	<b>200</b>	<b>850</b>

STUDENT CONTACT HOURS PER WEEK:32 hrs  
Theory and Practical Period of 60 Minutes each.

L- Lecture, TU- Tutorials, PR- Practical, INT-Internal Assessment , EXT-External Assessment, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

**CURRICULAR STRUCTURE FOR PART – III (Semester V) OF THE  
FULL-TIME DIPLOMA COURSES IN MECHANICAL ENGINEERING**

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION														
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES														
COURSE NAME: FULL TIME DIPLOMA IN : MECHANICAL ENGINEERING														
DURATION OF COURSE: 6 SEMESTERS														
SEMESTER: FIFTH														
BRANCH: : MECHANICAL ENGINEERING														
S I N O	SUBJECT	CREDITS			PERIODS			EVALUATION SCHEME						
		TH	PR	Total	L	T U	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
								TA	CT	TOT AL		INT	EXT	
1	Fluid Mechanics & Machinery	3	1	4	3	-	2	10	20	30	70	25	25	150
2	Advanced Manufacturing Processes	2	2	4	2	-	3	10	20	30	70	50	50	200
3	Measurement & Control	2	1	3	2	-	2	5	10	15	35	25	25	100
4	Power Engineering	3	1	4	3	-	2	10	20	30	70	25	25	150
5	Elective I (any one) a) Automobile Engineering b) Mechatronics c) Power Plant Engineering d) Tool Engineering	3	1	4	3	-	2	5	10	15	35	25	25	100
6	Industrial Project & Entrepreneurship	0	2	2	1	-	2	-	-	-	-	25	25	50
7	Computer Programming	0	2	2	1	-	2	-	-	-	-	25	25	50
8	Professional Practice-III	0	1	1	-	-	2	-	-	-	-	25	25	50
<b>TOTAL</b>		<b>13</b>	<b>11</b>	<b>24</b>	<b>15</b>	<b>-</b>	<b>17</b>	<b>40</b>	<b>80</b>	<b>120</b>	<b>280</b>	<b>225</b>	<b>225</b>	<b>850</b>
STUDENT CONTACT HOURS PER WEEK:32 hrs Theory and Practical Period of 60 Minutes each.														
L- Lecture, TU- Tutorials, PR- Practical, INT-Internal Assessment , EXT-External Assessment, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.														

**CURRICULAR STRUCTURE FOR PART – III (Semester VI) OF THE  
FULL-TIME DIPLOMA COURSES IN MECHANICAL ENGINEERING**

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION														
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES														
COURSE NAME: FULL TIME DIPLOMA IN : MECHANICAL ENGINEERING														
DURATION OF COURSE: 6 SEMESTERS														
SEMESTER: SIXTH														
BRANCH: : MECHANICAL ENGINEERING														
SI No	SUBJECT	CREDITS			PERIODS			EVALUATION SCHEME						
		TH	PR	Total	L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
								TA	CT	TOTAL		INT	EXT	
1	Design of M/C Elements	4	1	5	4	-	2	10	20	30	70	25	25	150
2	Industrial Management	3	0	3	3	-	-	10	20	30	70	-	-	100
3	Fluid Power	3	1	4	3	-	2	10	20	30	70	25	25	150
4	Elective II (any one) a) Refrigeration & Air-Conditioning b) CAD-CAM & Automation c) Alternate Energy Sources & Management d) Material Handling Systems	3	1	4	3	-	2	5	10	15	35	25	25	100
5	Production Management	3	0	3	3	-	-	5	10	15	35	-	-	50
5	Project	0	3	3	-	-	6	-	-	-	-	50	50	100
6	Professional Practice-IV		2	2	-	-	4	-	-	-	-	25	25	50
7	General Viva		1	1	-	-	-	-	-	-	-		100	100
<b>TOTAL</b>		<b>16</b>	<b>9</b>	<b>25</b>	<b>16</b>	<b>-</b>	<b>16</b>	<b>40</b>	<b>80</b>	<b>120</b>	<b>280</b>	<b>150</b>	<b>250</b>	<b>800</b>
STUDENT CONTACT HOURS PER WEEK:32 hrs Theory and Practical Period of 60 Minutes each. L- Lecture, TU- Tutorials, PR- Practical, INT-Internal Assessment , EXT-External Assessment/ Assessment by all departmental lecturers for General Viva, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.														