PROPOSED CURRICULAR STRUCTURE FOR PART – II (2nd YEAR) OF THE FULL-TIME DIPLOMA COURSES IN ENGINEERING & TECHNOLOGY

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

Sl No	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
						TA	CT	TOTAL		INT	EXT	
1	Advanced Strength of Materials	3	2	-	2	5	10	15	35	25	25	100
2	Thermal Engineering-I	4	3	-	2	10	20	30	70	25	25	150
3	Manufacturing Technology	5	3	-	4	10	20	30	70	50	50	200
4	Fundamentals of Electronics	4	3	-	2	10	20	30	70	25	25	150
5	Engineering Materials	3	3	-	-	10	20	30	70	-	-	100
6	M.E.Drawing	5	3	-	4	5	10	15	35	50	50	150
7	Professional Practice-I	1	-	-	2	-	-	-	-	25	25	50
TOTAL		25	17	-	16	50	100	150	350	200	200	900

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.

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

Sl No	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
						TA	CT	TOTAL		INT	EXT	
1	Development of Life Skill-II	2	1	-	2	-	-	-	-	25	25	50
2	Thermal Engineering-II	4	3	-	2	10	20	30	70	25	25	150
3	Production Processes	5	3	-	4	10	20	30	70	50	50	200
4	Principles of Electrical Engineering	4	3	-	2	10	20	30	70	25	25	150
5	Computer Programming	2	1	-	2	-	-	-	-	25	25	50
6	Theory of Machines & Mechanism	4	3	-	2	10	20	30	70	25	25	150
7	Professional Practice-II	2	-	-	3	-	-	-	-	25	25	50
TOTAL		23	14	-	17	40	80	120	280	200	200	800

STUDENT CONTACT HOURS PER WEEK:31 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.

PROPOSED CURRICULAR STRUCTURE FOR PART – III (3rd YEAR) OF THE FULL-TIME DIPLOMA COURSES IN ENGINEERING & TECHNOLOGY

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

Sl No	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
						TA	CT	TOTAL		INT	EXT	
1	Fluid Mechanics & Machinery	4	3	-	2	10	20	30	70	25	25	150
2	Engineering Metrology	3	2	-	2	5	10	15	35	25	25	100
3	Advanced Manufacturing Process	4	2	-	3	10	20	30	70	50	50	200
4	Measurement & Control	3	2	-	2	5	10	15	35	25	25	100
5	Power Engineering	4	3	-	2	10	20	30	70	25	25	150
6	Elective I (any one) a) Automobile Engineering b) Mechatronics c) Power Plant Engineering d) Tool Engineering	4	3	-	2	5	10	15	35	25	25	100
7	Industrial Project & Entrepreneurship	2	1	-	2	-	-	-	-	25	25	50
8	Professional Practice-III	1	-	-	2	-	-	-	-	25	25	50
TOTAL		25	16	-	17	45	90	135	315	225	225	900

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.

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

Sl No	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
						TA	CT	TOTAL		INT	EXT	
1	Design of M/C Elements	5	4	-	2	10	20	30	70	25	25	150
2	Industrial Management	3	3	-	-	10	20	30	70	-	-	100
3	Fluid Power	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	4	3	-	2	5	10	15	35	25	25	100

	Sources & Management **d)** Material Handling Systems											
5	**Production Management**	**3**	**3**	**-**	**-**	**5**	**10**	**15**	**35**	**-**	**-**	**50**
5	**Project**	**3**	**-**	**-**	**6**	**-**	**-**	**-**	**-**	**50**	**50**	**100**
6	**Professional Practice-IV**	**2**	**-**	**-**	**4**	**-**	**-**	**-**	**-**	**25**	**25**	**50**
7	**General Viva**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**		**100**	**100**
TOTAL		**25**	**16**	**-**	**16**	**40**	**80**	**120**	**280**	**150**	**250**	**800**

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.