

CURRICULAR STRUCTURE FOR PART – I FIRST SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN MECHANICAL ENGINEERING

Sl. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS	
					INTERNAL		EXTERNAL			
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT	ATTENDANCE	OBJECTIVE
1.	ME / 1 / T1 / CSS	COMMUNICATION SKILLS (STUDIES)	2 (L) + 1 (T)	—	10	2.5	—	50	50	—
2.	ME / 1 / T2 / PHY1	PHYSICS – I	3	—	10	2.5	—	50	50	—
3.	ME / 1 / T3 / CHM1	CHEMISTRY – I	2 (L) + 1 (T)	—	10	2.5	—	50	50	—
4.	ME / 1 / T4 / MTH1	MATHEMATICS – I	5	—	20	5	30	70	100	—
5.	ME / 1 / T5 / EMK	ENGINEERING MECHANICS	4	—	20	5	30	70	100	—
		SESSIONAL PAPERS	LECTURE	SESSIONAL	INTERNAL		EXTERNAL		Th.	Ses.
6.	ME / 1 & 2 / S1 / LPHY	PHYSICS LAB – I	—	3	12.5		—		—	—
7.	ME / 1 & 2 / S2 / LCHM	CHEMISTRY LAB – I	—	3	12.5		—		—	—
8.	ME / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) – I	—	6	50		—		—	—
9.	ME / 1 & 2 / S4 / SWP	WORKSHOP PRACTICE – I	—	6	50		—		—	—
TOTAL			16 (L) + 2 (T)	18	—		—		350	—

CURRICULAR STRUCTURE FOR PART – I SECOND SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN MECHANICAL ENGINEERING

Sl. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS	
					INTERNAL		EXTERNAL			
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT	ATTENDANCE	OBJECTIVE
1.	ME / 2 / T1 / BEA	BUSINESS ECONOMICS & ACCOUNTANCY	4	—	20	5	30	70	100	—
2.	ME / 2 / T2 / PHY2	PHYSICS – II	2	—	10	2.5	—	50	50	—
3.	ME / 2 / T3 / CHM2	CHEMISTRY – II	2	—	10	2.5	—	50	50	—
4.	ME / 2 / T4 / MTH2	MATHEMATICS – II	3	—	20	5	30	70	100	—
5.	ME / 2 / T5 / CA	COMPUTER APPLICATIONS	3	—	10	2.5	—	50	50	—
6.	ME / 2 / T6 / SOM	STRENGTH OF MATERIALS	3	—	20	5	30	70	100	—
7.	ME / 2 / T7 / ETK	ELECTRICAL TECHNOLOGY	2	—	10	2.5	—	50	50	—
8.	ME / 2 / T8 / ED	ENGINEERING DRAWING (4 HR. EXAM.)	—	—	20	5	30	70	100	—
		SESSIONAL PAPERS	LECTURE	SESSIONAL	INTERNAL		EXTERNAL		Th.	Ses.
9.	ME / 1 & 2 / S1 / LPHY	PHYSICS LAB – II	—	2	12.5		25		—	50
10.	ME / 1 & 2 / S2 / LCHM	CHEMISTRY LAB – II	—	2	12.5		25		—	50
11.	ME / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) – II	—	6	50		100		—	200
12.	ME / 1 & 2 / S4 / SWP	WORKSHOP PRACTICE – II	—	6	50		100		—	200
13.	ME / 2 / S5 / LCA	COMPUTER APPLICATIONS LAB	—	3	50		50		—	100
14.	ME / 2 / S6 / LETK	ELECTRICAL TECHNOLOGY LAB	—	2	25		25		—	50
TOTAL			19	21	—		—		600	650

q Each of Part I – 1st & 2nd semester is of 17 weeks duration of which 15 weeks are scheduled as contact weeks and 2 weeks are scheduled for holding two Centralised Internal Assessments.

q Part I – 1st & 2nd semester consists of 36 & 40 contact periods per week respectively, and, 8 & 4 periods per week respectively are allocated for Student Centred Activities like Library, Guided Studies etc.

q Marks distribution in Part – I : Theoretical – 950, Sessional – 650; Total – 1600.

CURRICULAR STRUCTURE FOR PART – II FIRST SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN MECHANICAL ENGINEERING

Sl. No.	SUBJECT CODE	SUBJECT STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		Th.	SES.	
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT			
1.	ME / 3 / T1 / ENVE	ENVIRONMENTAL ENGINEERING	3	—	20	5	30	70	100	—	5
2.	ME / 3 / T2 / C	PROGRAMMING IN C	3	—	20	5	30	70	100	—	7
3.	ME / 3 / T3 / BE	BASIC ELECTRONICS	3	—	20	5	30	70	100	—	9
4.	ME / 3 / T4 / MOM	MECHANICS OF MATERIALS	3+1	—	20	5	30	70	100	—	11
5.	ME / 3 / T5 / HP1	HEAT POWER – I	3+1	—	20	5	30	70	100	—	12
6.	ME / 3 / T6 / MT1	MACHINE TOOL – I	4	—	20	5	30	70	100	—	14
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		Th.	SES.	
1.	ME / 3 / S1 / LC	PROGRAMMING IN C LAB	—	3	50		50		—	100	15
2.	ME / 3 / S2 / LBE	BASIC ELECTRONICS LAB	—	3	50		50		—	100	17
3.	ME / 3 & 4 / S3 / LME	MECHANICAL ENGINEERING LAB – I	—	2	25		—		—	—	
4.	ME / 3 & 4 / S4 / SMED	MECHANICAL ENGINEERING DRAWING (S)	—	6	50		—		—	—	25
5.	ME / 3 & 4 / S5 / SMEW	MECHANICAL ENGINEERING WORKSHOP – I	—	6	50		—		—	—	
TOTAL			19+2	20	—		—		600	200	

CURRICULAR STRUCTURE FOR PART – II SECOND SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN MECHANICAL ENGINEERING

Sl. No.	SUBJECT CODE	SUBJECT STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		Th.	SES.	
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT			
1.	ME / 4 / T1 / CSJ	COMMUNICATION SKILLS (JOB)	2	—	20	5	30	70	50	—	18
2.	ME / 4 / T2 / MP	MANUFACTURING PROCESS	3+1	—	20	5	30	70	100	—	19
3.	ME / 4 / T3 / HP2	HEAT POWER – II	3+1	—	20	5	30	70	100	—	20
4.	ME / 4 / T4 / MT2	MACHINE TOOLS – II	4	—	20	5	30	70	100	—	22
5.	ME / 4 / T5 / EEE	ELEMENTS OF ELECTRICAL ENGINEERING	3	—	20	5	30	70	100	—	
6.	ME / 4 / T6 / MED	MECHANICAL ENGINEERING DRAWING (4 HR. EXAM.)	—	—	20	5	30	70	100	—	25
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		Th.	SES.	
1.	ME / 4 / S1 / LCSJ	COMMUNICATION SKILLS (JOB) LAB	—	2	25		25		—	50	23
2.	ME / 4 / S2 / LEEE	ELECTRICAL ENGINEERING LABORATORY	—	3	50		50		—	100	
3.	ME / 3 & 4 / S3 / LME	MECHANICAL ENGINEERING LAB – I	—	3	25		50		—	100	
4.	ME / 3 & 4 / S4 / SMED	MECHANICAL ENGINEERING DRAWING (S)	—	6	50		100		—	200	25
5.	ME / 3 & 4 / S5 / SMWP	MECHANICAL ENGINEERING WORKSHOP – I	—	6	50		100		—	200	
TOTAL			15+2	20	—		—		550	650	

q Each of Part II – 1st & 2nd semester is of 17 weeks duration of which 15 weeks are scheduled as contact weeks and 2 weeks are scheduled for holding two Centralised Internal Assessments.

q Each of Part II – 1st & 2nd semester consists of 41 & 37 contact periods per week and 3 & 7 periods per week are allocated for Student Centred Activities like Library, Guided Studies etc.

q Marks distribution in Part – II : Theoretical – 1150, Sessional – 850; Total – 2000.

CURRICULAR STRUCTURE FOR PART – III FIRST SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN MECHANICAL ENGINEERING

Sl. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL				
					THEORETICAL PAPERS		LECTURE	SESSIONAL	ASSESSMENT	ATTENDANCE	
1.	ME / 5 / T1 / IMNG	INDUSTRIAL MANAGEMENT	3	—	20	5	30	70	100	—	
2.	ME / 5 / T2 / FM	FLUID MECHANICS	3	—	20	5	30	70	100	—	
3.	ME / 5 / T3 / HP3	HEAT POWER – III	3	—	20	5	30	70	100	—	
4.	ME / 5 / T4 / MPM	MANUFACTURING PROCESS & METROLOGY	3	—	20	5	30	70	100	—	
5.	ME / 5 / T5 / ATGM	ADVANCE M/C TOOLS & GENERAL MAINTENANCE	3	—	20	5	30	70	100	—	
6.	ME / 5 / *T6 / ELC1	AUTOMOBILE ENGINEERING – I									
7.	ME / 5 / *T7 / ELC1	CAD CAM – I									
8.	ME / 5 / *T8 / ELC1	NON CONVENTIONAL ENERGY SOURCES – I	3 + 1	—	20	5	30	70	100	—	
9.	ME / 5 / *T9 / ELC1	POWER PLANT ENGINEERING – I									
10.	ME / 5 / *T10 / ELC1	REFRIGERATION & AIR CONDITIONING – I									
		SESSIONAL PAPERS	LECTURE	SESSIONAL	INTERNAL		EXTERNAL		Th.	Ses.	
11.	ME / 5 / S1 / LAMD	ADVANCE MECHANICAL ENGINEERING DRAWING	—	4	50		50		—	100	
12.	ME / 5&6 / S2 / LMW2	ME WORKSHOP – II (GROUP – A)	—	6	50		—		—	—	
13.	ME / 5&6 / S3 / LML2	ME LAB – II (GROUP – A)	—	4	50		—		—	—	
14.	ME / 5&6 / S4 / MEPW	MECHANICAL ENGINEERING PROJECT WORK (GROUP–A)	—	6	50		—		—	—	
TOTAL			19	20	—		—		600	100	

CURRICULAR STRUCTURE FOR PART – III SECOND SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN MECHANICAL ENGINEERING

Sl. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL				
					THEORETICAL PAPERS		LECTURE	SESSIONAL	ASSESSMENT	ATTENDANCE	
1.	ME / 6 / T1/ FMC	FLUID MACHINES	3+1	—	20	5	30	70	100	—	
2.	ME / 6 / T2 / MDEC	MACHINE DESIGN, ESTIMATING & COSTING	3+1	—	20	5	30	70	100	—	
3.	ME / 6 / T3 / TOM	THEORY OF MACHINES	3+1	—	20	5	30	70	100	—	
4.	ME / 6 / *T4 / ELC2	AUTOMOBILE ENGINEERING – II									
5.	ME / 6 / *T5 / ELC2	CAD CAM – II									
6.	ME / 6 / *T6 / ELC2	NON CONVENTIONAL ENERGY SOURCES – II	3	—	20	5	30	70	100	—	
7.	ME / 6 / *T7 / ELC2	POWER PLANT ENGINEERING – II									
8.	ME / 6 / *T8 / ELC2	REFRIGERATION & AIR CONDITIONING – II									
		SESSIONAL PAPERS	LECTURE	SESSIONAL	INTERNAL		EXTERNAL		Th.	Ses.	
9.	ME / 6 / S1/ LMDD	MACHINE DESIGN, DRAWING, ESTIMATING & COSTING	—	6	50		50		—	100	
10.	ME / 5 & 6 / S2 / LMW2	ME WORKSHOP – II (GROUP – B)	—	6	50		100		—	200	
11.	ME / 5 & 6 / S3 / LML2	ME LAB – II (GROUP – B)	—	3	50		100		—	200	
12.	ME / 5 & 6 / S4 / MEPW	MECHANICAL ENGINEERING PROJECT WORK (GROUP–B)	—	6	50		100		—	200	
13.	ME / 6 / S5 / SMNR	SEMINAR ON ME PROJECT	—	1	25		25		—	50	
14.	ME / 6 / *S6 / LAE	AUTOMOBILE ENGINEERING LAB									
15.	ME / 6 / *S7 / LCAM	CAD CAM LAB									
16.	ME / 6 / *S8 / LNCE	NON CONVENTIONAL ENERGY SOURCES LAB	—	3	25		25		—	50	
17.	ME / 6 / *S9 / LPPE	POWER PLANT ENGINEERING LAB									
18.	ME / 6 / *S10 / LRAC	REFRIGERATION & AIR CONDITIONING LAB									
19.	ME / 6 / *S11 / GVV	GENERAL VIVA VOCE	—	—	—		100		—	100	
TOTAL			15	25	—		—		400	900	

q * Each student is required to opt for **any one of the following five elective papers** offered: (a) **AUTOMOBILE ENGINEERING**; (b) **CAD / CAM**; (c) **NON CONVENTIONAL ENERGY** Sources; (d) **POWER PLANT ENGINEERING**; (e) **REFRIGERATION & AIR CONDITIONING**.

q Each of Part III – 1st & 2nd semester is of 17 weeks duration of which 15 weeks are scheduled as contact weeks and 2 weeks are scheduled for holding two Centralised Internal Assessments.

q Each of Part III – 1st & 2nd semester consists of 39 & 40 contact periods per week and 5 & 4 periods per week are allocated for Student Centred Activities like Library, Guided Studies etc.

q Marks distribution in Part – III : Theoretical – 1000, Sessional – 1000; Total – 2000.