

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE (VJTI), MATUNGA, MUMBAI-19

TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES (R 2013)

COURSE NAME: : DIPLOMA IN MECHANICAL ENGINEERING To be Impemented w.e.f. June 2013 (Progressively)
 COURSE CODE: : DME
 DURATION OF COURSE : 6 SEMESTERS
 SEMESTER : FIRST
 FULL TIME/PART TIME : FULL TIME

SR. NO	SUBJECT TITLE	SUBJECT CODE	TEACHING SCHEME			EXAMINATION SCHEME												TOTAL MARKS
			L	T	P	PAPER HRS	TH		TEST	TOTAL		PR		OR		TW		
							Max	Min		Max	Min	Max	Min	Max	Min			
1	Mathematics- I	134MA11a	3	2	-	3	80	32	20	100	40	-	-	-	-	25	10	125
2	Physics-I	134PH12	2	-	2	3	80	32	20	100	40	25	10	-	-	25	10	150
3	Chemistry-I	134CH13	2	-	2	3	80	32	20	100	40	25	10	-	-	25	10	150
4	Communication Skills-I	134HM14x	3	2	-	3	80	32	20	100	40	-	-	-	-	25	10	125
5	Basic Workshop Practice I	134ME15	1	-	3	-	-	-	-	-	-	-	-	-	-	50	20	50
6	Engineering Graphics-I	134ME16	2	-	4	-	-	-	-	-	-	50	20	-	-	50	20	100
7	Computer Applications	134ME17	1	-	2	-	-	-	-	-	-	25	10	-	-	25	10	50
8	Student Centered Activity / test	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL		14	4	15	-	320	-	80	400	-	125	-	-	-	225	-	750

Student Contact Hours per week (Formal Teaching): 31 Hours + 2 SCA/TEST

Theory, Practical and Tutorial periods are of 60 minutes duration.

Total Marks : 750

Abbreviations : L- Lecture, T – Tutorials, PR – Practical, TH –Theory, OR – Oral, TW- Term work

External examiner allotted for all theory, practical & oral examinations except wherever marked by @ where external examiner is not required.

a - indicate Mathematics - I syllabus common for CE, ME, EE & EX Engg

x - indicate Communication Skill - I syllabus common for CE, ME, EE & EX Engg

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE (VJTI), MATUNGA, MUMBAI-19

TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES (R 2013)

COURSE NAME: : DIPLOMA IN MECHANICAL ENGINEERING To be Impemented w.e.f. June 2013 (Progressively)
 COURSE CODE: : DME
 DURATION OF COURSE : 6 SEMESTERS
 SEMESTER : SECOND
 FULL TIME/PART TIME : FULL TIME

SR. NO	SUBJECT TITLE	SUBJECT CODE	TEACHING			EXAMINATION SCHEME												TOTAL MARKS
			L	T	P	PAPER HRS	TH		TEST	TOTAL		PR		OR		TW		
							Max	Min		Max	Min	Max	Min	Max	Min			
1	Mathematics- II	134MA21b	3	2	-	3	80	32	20	100	40	-	-	-	-	25	10	125
2	Physics-II	134PH22	2	-	2	3	80	32	20	100	40	25	10	-	-	25	10	150
3	Chemistry-II	134CH23	2	-	2	3	80	32	20	100	40	25	10	-	-	25	10	150
4	Communication Skills-II	134HM24	2	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
5	Engineering Mechanics	134SE25	3	-	2	3	80	32	20	100	40	-	-	-	-	25	10	125
6	Basic Workshop Practice II	134ME26	-	-	3	-	-	-	-	-	-	-	-	-	-	50	20	50
7	Engineering Graphics II	134ME27	2	-	4	-	-	-	-	-	-	50	20	-	-	50	20	100
8	Student Centered Activity / test		-	-	2	-	-	-	-	-	-	-	-	-	-			
	TOTAL		14	2	17	-	400	-	100	500	-	100	-	25	-	225	-	850

Student Contact Hours per week (Formal Teaching): 31 Hours + 2 SCA/TEST

Theory, Practical and Tutorial periods are of 60 minutes duration.

Total Marks : 850

Abbreviations : L- Lecture, T – Tutorials, PR – Practical, TH –Theory, OR – Oral, TW- Term work

External examiner allotted for all theory, practical & oral examinations except wherever marked by @ where external examiner is not required.

b - indicate Mathematics - II syllabus common for CE, ME, EE & EX Engg

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE (VJTI), MATUNGA, MUMBAI-19

TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES (R 2013)

COURSE NAME: : DIPLOMA IN MECHANICAL ENGINEERING To be Impemented w.e.f. June 2013 (Progressively)
 COURSE CODE: : DME
 DURATION OF COURSE : 6 SEMESTERS
 SEMESTER : THIRD
 FULL TIME/PART TIME : FULL TIME

SR. NO	SUBJECT TITLE	SUBJECT CODE	TEACHING			EXAMINATION SCHEME												TOTAL MARKS
			L	T	P	PAPER HRS	TH		TEST	TOTAL		PR		OR		TW		
							Max	Min		Max	Min	Max	Min	Max	Min			
1	Mathematics - III	134MA31e	3	1	-	3	80	32	20	100	40	-	-	-	-	25	10	125
2	Strength of Materials	134SE32	3	-	2	3	80	32	20	100	40	-	-	-	-	25	10	125
3	Basics of Electrical and Electronics Engineering	134EE33	4	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
4	Manufacturing Processes-I	134ME34	3	-	3	3	80	32	20	100	40	25	10	-	-	50	20	175
5	Engineering Metallurgy	134ME35	3	-	2	3	80	32	20	100	40	-	-	-	-	25	10	125
6	Computer Aided M/C Drawing - I	134ME36	2	-	3	-	-	-	-	-	-	50	20	-	-	50	20	100
7	Student Center Activity / Test		-	-	2	-	-	-	-	-	-	-	-	-	-			
	TOTAL		18	1	14	-	400	-	100	500	-	75	-	25	-	200	-	800

Student Contact Hours per week : 31 Hours +2 SCA/TEST

Theory, Practical and Tutorial periods are of 60 minutes duration.

Total Marks : 850

Abbreviations : L- Lecture, T – Tutorials, PR – Practical, TH –Theory, OR – Oral, TW- Term work

External examiner allotted for all theory, practical & oral examinations except wherever marked by @ where external examiner is not required. And do so.

e - indicate Mathematics - III syllabus common for CE & ME Engg

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE (VJTI), MATUNGA, MUMBAI-19

TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES (R 2013)

COURSE NAME: : DIPLOMA IN MECHANICAL ENGINEERING To be Impemented w.e.f. June 2013 (Progressively)
 COURSE CODE: : DME
 DURATION OF COURSE : 6 SEMESTERS
 SEMESTER : FOURTH
 FULL TIME/PART TIME : FULL TIME

SR. NO	SUBJECT TITLE	SUBJECT CODE	TEACHING			EXAMINATION SCHEME												TOTAL MARKS
			L	T	P	PAPER HRS	TH		TEST	TOTAL		PR		OR		TW		
							Max	Min		Max	Min	Max	Min	Max	Min			
1	Measurements and Control	134ME41	3	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
2	Thermodynamics & Heat Transfer	134ME42	4	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
3	Manufacturing Processes-II	134ME43	3	-	3	3	80	32	20	100	40	25	10	-	-	50	20	175
4	Fluid Mechanics & Machinery	134ME44	4	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
5	Computer Aided M/C Drawing- II	134ME45	2	-	4	3	-	-	-	-	-	50	20	-	-	50	20	100
6	Development of Life Skills	134HM46	-	-	2	-	-	-	-	-	-	-	-	-	-	25	10	25
7	Student Center Activity / Test		-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL		16	-	17	-	320	-	80	400	-	75	-	100	-	200	-	750

Student Contact Hours per week : 31 Hours + 2 SCA/TEST

Theory, Practical and Tutorial periods are of 60 minutes duration.

Total Marks : 850

Abbreviations : L- Lecture, T – Tutorials, PR – Practical, TH –Theory, OR – Oral, TW- Term work

External examiner allotted for all theory, practical & oral examinations except wherever marked by @ where external examiner is not required.

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE (VJTI), MATUNGA, MUMBAI-19

TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES (R 2013)

COURSE NAME: : DIPLOMA IN MECHANICAL ENGINEERING To be Impemented w.e.f. June 2013 (Progressively)

COURSE CODE: : DME
 DURATION OF COURSE : 6 SEMESTERS
 SEMESTER : FIFTH
 FULL TIME/PART TIME : FULL TIME

SR. NO	SUBJECT TITLE	SUBJECT CODE	TEACHING			EXAMINATION SCHEME												TOTAL MARKS
			L	T	P	PAPER HRS	TH		TEST	TOTAL		PR		OR		TW		
							Max	Min		Max	Min	Max	Min	Max	Min			
1	Theory of Machines	134ME51	3	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
2	Thermal Power Engineering	134ME52	3	-	2	3	80	32	20	100	40	25	10	-	-	25	10	150
3	Metrology and Quality Control	134ME53	3	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
4	Industrial Fluid Power	134ME54	3	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
5	Elective- I (Any One)	\$	3	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
6	Computer Programming	134ME55	1	-	2	-	-	-	-	-	-	25	10	-	-	25	10	50
7	Project	134ME56	-	-	3	-	-	-	-	-	-	-	-	25	10	25	10	50
8	Student Center Activity / Test		-	-	2	-	-	-	-	-	-	-	-	-	-			
	TOTAL		16	-	17	-	400	-	100	500	-	50	-	125	-	175	-	850

Student Contact Hours per week : 31 Hours + 2 SCA/TEST
 Theory, Practical and Tutorial periods are of 60 minutes duration.

Total Marks : 850

Abbreviations : L- Lecture, T – Tutorials, PR – Practical, TH –Theory,
 OR – Oral, TW- Term work

\$ Electives:		
1	Alternate Energy Systems	134MEE1
2	Robotics and Automation	134MEE2
3	Tool Design	134MEE3
4	CAD/CAM	134MEE4
5	Material Handling Sysytem	134MEE5
6	Mechatronics	134MEE6
7	Power Plant Engineering	134MEE7

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TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES (R 2013)

COURSE NAME:

: DIPLOMA IN MECHANICAL ENGINEERING

To be Impemented w.e.f. June 2013 (Progressively)

COURSE CODE: : DME
 DURATION OF COURSE : 6 SEMESTERS
 SEMESTER : SIXTH
 FULL TIME/PART TIME : FULL TIME

SR. NO	SUBJECT TITLE	SUBJECT CODE	TEACHING			EXAMINATION SCHEME												TOTAL MARKS
			L	T	P	PAPER HRS	TH		TEST	TOTAL		PR		OR		TW		
							Max	Min		Max	Min	Max	Min	Max	Min			
1	Machine Design	134ME61	4	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
2	Refrigeration and Air Conditioning	134ME62	3	-	2	3	80	32	20	100	40	25	10	-	-	25	10	150
3	Automobile Engineering	134ME63	3	-	2	3	80	32	20	100	40	-	-	-	-	25	10	125
4	Industrial Engineering and Management	134ME64	4	-	-	3	80	32	20	100	20	-	-	-	-	25	10	125
5	Elective- II (Any One)	\$	3	-	2	3	80	32	20	100	40	-	-	25	10	25	10	150
6	Project	134ME65	-	-	6	-	-	-	-	-	-	-	-	50	20	50	20	100
7	Student Center Activity / Test		-	-	2													
	TOTAL		17	-	16	-	400	-	100	500	-	-	-	175	-	175	-	800

Student Contact Hours per week : 31 Hours + 2SCA/TEST

Theory, Practical and Tutorial periods are of 60 minutes duration.

Total Marks : 850

Abbreviations : L- Lecture, T – Tutorials, PR – Practical, TH –Theory,
 OR – Oral, TW- Term work

\$ Electives:			
1	Alternate Energy Systems	134MEE1	
2	Robotics and Automation	134MEE2	
3	Tool Design	134MEE3	
4	CAD/CAM	134MEE4	
5	Material Handling Sysytem	134MEE5	
6	Mechatronics	134MEE6	
7	Power Plant Engineering	134MEE7	

External examiner allotted for all theory, practical & oral examinations except wherever marked by @ where external examiner is not required.