



**Maharashtra State Board of Technical Education, Mumbai**  
**Teaching And Examination Scheme For Post S.S.C. Diploma Courses**

**Program Name : Diploma in Mechanical Engineering**

**Program Code : ME**

**With Effect From Academic Year: 2017 - 18**

**Duration of Program : 6 Semesters**

**Duration : 16 Weeks**

**Semester : Fifth**

**Scheme - I**

S. N.	Course Title	Course Abbreviation	Course Code	Teaching Scheme			Credit (L+T+P)	Examination Scheme													Grand Total
				L	T	P		Theory						Practical							
								Exam Duration in Hrs.	ESE		PA		Total		ESE		PA		Total		
									Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
1	Management	MAN	22509	3	-	-	3	90 Min	70*#	28	30*	00	100	40	--	--	--	--	--	--	100
2	Power Engineering and Refrigeration	PER	22562	3	-	2	5	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150
3	Advanced Manufacturing Processes	AMP	22563	4	-	4	8	3	70	28	30*	00	100	40	50#	20	50	20	100	40	200
4	Elements of Machine Design	EMD	22564	4	-	2	6	4	70	28	30*	00	100	40	25@	10	25	10	50	20	150
<b>Elective (Any One)</b>																					
5	Tool Engineering	TE N	22565	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
	Power Plant Engineering	PPE	22566	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
6	Industrial Training	ITR	22049	-	-	6	6	--	--	--	--	--	--	--	75#	30	75~	30	150	60	150
7	Capstone Project Planning	CPP	22050	-	-	2	2	--	--	--	--	--	--	--	25@	10	25~	10	50	20	50
8	Solid Modeling and Additive Manufacturing	SMA	22053	-	-	4	4	--	--	--	--	--	--	--	50#	20	50~	20	100	40	100
<b>Total</b>				<b>17</b>	<b>-</b>	<b>22</b>	<b>39</b>	<b>--</b>	<b>350</b>	<b>--</b>	<b>150</b>	<b>--</b>	<b>500</b>	<b>--</b>	<b>275</b>	<b>--</b>	<b>275</b>	<b>--</b>	<b>550</b>	<b>--</b>	<b>1050</b>

Student Contact Hours Per Week: **39 Hrs.**

Medium of Instruction: **English**

**Theory and practical periods of 60 minutes each.**

**Total Marks : 1050**

Abbreviations: ESE- End Semester Exam, PA- Progressive Assessment, L - Lectures, T - Tutorial, P - Practical

@ Internal Assessment, # External Assessment, \*# On Line Examination, ^ Computer Based Assessment

\* Under the theory PA, Out of 30 marks, 10 marks are for micro-project assessment to facilitate integration of COs and the remaining 20 marks is the average of 2 tests to be taken during the semester for the assessment of the cognitive domain LOs required for the attainment of the COs.

~ For the courses having ONLY Practical Examination, the PA marks Practical Part - with 60% weightage and Micro-Project Part with 40% weightage

- **If Candidate not securing minimum marks for passing in the "PA" part of practical of any course of any semester then the candidate shall be declared as "Detained" for that semester.**
- **Evaluation of Industrial Training and its reports is to done during this semester. Credit of Industrial Training will not affect the framing of time table.**

