



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

**Program Name : Diploma in Mechatronics**

**Program Code : MK**

**Duration of Program : 6 Semesters**

**Semester : Second**

**With Effect From Academic Year: 2019 - 20**

**Duration : 16 Weeks**

**Scheme - I**

S. N.	Course Title	Course Abbreviation	Course Code	Teaching Scheme		Credit (L+T+P)	Examination Scheme												Grand Total					
				L	T		P	Theory				PA				ESE				PA				
								ESE		PA		ESE		PA		ESE		PA		ESE		PA		
								Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks		Min Marks	Max Marks	Min Marks	Max Marks	
1	Applied Science	Physics	ASM	22202	2	-	4	8	90	70*#	28	15*	00	25@	10	25	10	50	20	200				
		Chemistry			2	-			Min		15*	00	25@	10	25	10	50	20						
2	Applied Mechanics	AME	22203	3	1	2	6	3	70	28	30*	00	25@	10	25	10	50	20	150					
3	Applied Mathematics	AMP	22206	4	2	-	6	3	70	28	30*	00	--	--	--	--	--	--	--	100				
4	Engineering Drawing	EDR	22207	3	-	4	7	4	70	28	30*	00	25#	10	25	10	50	20	150					
5	Business Communication Using Computers	BCC	22009	-	-	2	2	--	--	--	--	--	35@^	14	15~	06	50	20	50					
6	Mechatronics Workshop	MWO	22069	1	-	4	5	--	--	--	--	--	50#	20	50~	20	100	40	100					
	<b>Total</b>			<b>15</b>	<b>3</b>	<b>16</b>	<b>34</b>	<b>--</b>	<b>280</b>	<b>--</b>	<b>120</b>	<b>--</b>	<b>400</b>	<b>--</b>	<b>165</b>	<b>--</b>	<b>350</b>	<b>--</b>	<b>750</b>					

Student Contact Hours Per Week: 34 Hrs.

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

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 (5 marks each for Physics and Chemistry) 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

➤ It is mandatory for the candidate to appear for practical (ESE) of both the part of Applied Science (Physics & Chemistry). Candidate remaining absent in exam of any one part, will be considered as absent for the head ESE (PR) of Applied Science.

➤ 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.

