



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

With Effect From Academic Year: 2019 - 20

Duration of Program : 6 Semesters

Duration : 16 Weeks

Semester : Second

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	Applied Science	Physics	ASM	22202	2	-	4	8	90 Min	70*#	28	15*	00	100	40	25@	10	25	10	50	20	200
		Chemistry			2	-						15*	00			25@	10	25	10	50	20	
2	Applied Mechanics		AME	22203	3	1	2	6	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
3	Applied Mathematics		AMP	22206	4	2	-	6	3	70	28	30*	00	100	40	--	--	--	--	--	--	100
4	Engineering Drawing		EDR	22207	3	-	4	7	4	70	28	30*	00	100	40	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
Total					15	3	16	34	--	280	--	120	--	400	--	185	--	165	--	350	--	750

Student Contact Hours Per Week: **34 Hrs.**

Medium of Instruction: **English**

Theory and practical periods of 60 minutes each.

Total Marks : **750**

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.

