



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 : First

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						
								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		
1	English	ENG	22101	3	--	2	5	3	28	30*	00	100	40	25@	10	25	10	50	20	150
2	Basic Science	BSC	22102	2	--	2	4	90	70*#	15*	00	100	40	25@	10	25	10	50	20	200
	Chemistry			2	--	2	4	Min	15*	00	25@	10	25	10	50	20	20			
3	Basic Mathematics	BMS	22103	4	2	--	6	3	70	30*	00	100	40	--	--	--	--	--	--	100
4	Fundamentals of ICT (Information & Communication Technology)	ICT	22001	2	--	2	4	--	--	--	--	--	--	25@^	10	25~	10	50	20	50
5	Engineering Graphics (For CE, CR, CS, ME, AE, PG, PT, FG, EE, EP, EU, CH, PS, DC, TC, TX, MK)	EGM	22002	2	--	4	6	--	--	--	--	--	--	50@	20	50~	20	100	40	100
6	Workshop Practice. (For CE, CR, CS, ME, AE, PG, PT, FG, EE, EP, EU, CH, PS, MK)	WPM	22004	--	--	4	4	--	--	--	--	--	--	50@	20	50~	20	100	40	100
Total				15	2	16	33	--	210	90	--	300	--	200	--	200	--	400	--	700

Student Contact Hours Per Week: 33 Hrs.

Medium of Instruction: English

Total Marks : 700

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 has two parts, marks for : (i) Practical Part - 60% of total marks (ii) Micro-Project Part - 40% of total marks

➤ Candidate remaining absent in practical examination of any one part of Basic Science course i.e. Physics, Chemistry will be declare as Absent in Mark

➤ List and has to appear for examination. The marks of the part for which candidate was present will not be processed or carried forward.

➤ 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.

