



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

Program Name : Diploma in Instrumentation / Diploma in Instrumentation & Control

Program Code : IS / IC

With Effect From Academic Year: 2017 - 18

Duration of Program : 6 Semesters

Duration : 16 Weeks

Semester : Fourth

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		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	Linear Integrated Circuits	LIC	22423	4	-	2	6	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150	
2	Microcontroller and Applications	MAA	22426	4	-	2	6	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150	
3	Basic Power Electronics	BPE	22427	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150	
4	Industrial Transducers	ITR	22432	4	2	4	10	3	70	28	30*	00	100	40	50#	20	50	20	100	40	200	
5	VB.net Elementary Programming	VBN	22037	2	-	2	4	--	--	--	--	--	--	--	25@	10	25~	10	50	20	50	
Total				17	2	12	31	--	280	--	120	--	400	--	150	--	150	--	300	--	700	

Student Contact Hours Per Week: **31 Hrs.**

Medium of Instruction: **English**

Theory and practical periods of 60 minutes each.

Total Marks : **700**

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.**

➤ **In-Plant Training during Summer vacation for minimum Six Weeks at the end of Fourth Semester (Second Year).**

