



Maharashtra State Board of Technical Education, Mumbai

Teaching and Examination Scheme for Post S.S.C. Diploma Courses

Program Name : Diploma in Chemical Engineering

Program Code : CH

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	Heat Transfer Operation	HTO	22510	4	-	4	8	3	70	28	30*	00	100	40	50#	20	50	20	100	40	200
3	Environmental Technology	EPC	22511	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
4	Chemical Reaction Engineering	CRE	22512	4	2	-	6	3	70	28	30*	00	100	40	--	--	--	--	--	--	100
Elective (Any One)																					
5	Membrane Technology	MTE	22513	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
	Renewable Energy Technologies	RET	22514	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
	Numerical Methods in Chemical Engineering	NMC	22515	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
6	Industrial Training	IIR	22057	-	-	6	6	--	--	--	--	--	--	--	75#	30	75	30	150	60	150
7	Capstone Project Planning	CPP	22058	-	-	2	2	--	--	--	--	--	--	--	25@	10	25	10	50	20	50
Total				17	2	16	35	--	350	--	150	--	500	--	200	--	200	--	400	--	900

Student Contact Hours Per Week: **35 Hrs.**

Medium of Instruction: **English**

Theory and practical periods of 60 minutes each.

Total Marks : **900**

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 after completion of Industrial Training. Credits of Industrial Training will not affect the framing of time table.**

