

Maharashtra State Board Of Technical Education, Mumbai

Learning and Assessment Scheme for Post S.S.C Diploma Courses

Programme Name : Diploma In Mechanical Engineering										With Effect From Academic Year : 2023-24													
Programme Code : ME										Duration : 16 WEEKS													
Duration Of Programme : 6 Semester										Duration : 16 WEEKS													
Semester : Sixth NCrF Entry Level : 4.0										Scheme : K													
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total IKS Hrs for Sem.	Learning Scheme			Self Learning (Activity/Assignment /Micro Project)	Notional Learning Hrs /Week	Credits	Paper Duration (hrs.)	Assessment Scheme								Based on Self Learning	Total Marks	
						Actual Contact Hrs./Week							Theory			Based on LL & TL							
						CL	TL	LL					FA-TH	SA-TH	Total	FA-PR	SA-PR	SLA					
						Max	Max	Max					Min	Max	Min	Max	Min	Max	Min				
(All Compulsory)																							
1	MANAGEMENT	MAN	AEC	315301	1	3	-	-	1	4	2	1.5	30	70*#	100	40	-	-	-	25	10	125	
2	DESIGN OF MACHINE ELEMENTS	DME	DSC	316357	-	4	-	2	2	8	4	4	30	70	100	40	25	10	25#	10	25	10	175
3	INDUSTRIAL ENGINEERING AND QUALITY CONTROL	IEQ	DSC	316362	-	4	-	2	2	8	4	3	30	70	100	40	25	10	-	-	25	10	150
4	INDUSTRIAL HYDRAULICS AND PNEUMATICS	IHP	DSC	316363	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150
5	3D MODELLING AND ADDITIVE MANUFACTURING	3DM	SEC	316013	-	-	-	4	-	4	2	-	-	-	-	-	25	10	25#	10	-	-	50
6	CAPSTONE PROJECT	CPE	INP	316004	-	-	-	2	2	4	2	-	-	-	-	-	50	20	50#	20	50	20	150
Elective - II (Any - One)																							
7	COMPUTER INTEGRATED MANUFACTURING SYSTEMS	CIM	DSE	316359	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150
	ALTERNATIVE ENERGY SOURCES AND ENERGY MANAGEMENT	AEM	DSE	316364	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150
	COLD CHAIN MANAGEMENT	CCM	DSE	316365	2	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150
Total						3	19	14	7	20				150	350	500		175	150		125		950

Sr No	Course Title	Abbreviation	Course Type	Course Code	Total IKS Hrs for Sem.	Learning Scheme			Credits	Paper Duration (hrs.)	Assessment Scheme						Based on Self Learning	Total Marks							
						Actual Contact Hrs./Week					Theory			Based on LL & TL											
						CL	TL	LL			FA-TH	SA-TH	Total	FA-PR	SA-PR	SLA									
						Max	Max	Max	Min	Max	Max	Min	Max	Min	Max	Min									
Abbreviations : CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment,SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment Legends : @ Internal Assessment, # External Assessment, *# On Line Examination , @\\$ Internal Online Examination Note :																									
1. FA-TH represents average of two class tests of 30 marks each conducted during the semester. 2. If candidate is not securing minimum passing marks in FA-PR of any course then the candidate shall be declared as "Detained" in that semester. 3. If candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work. 4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks 5. 1 credit is equivalent to 30 Notional hrs. 6. * Self learning hours shall not be reflected in the Time Table. 7. * Self learning includes micro project / assignment / other activities.																									
Course Category : Discipline Specific Course Core (DSC) , Discipline Specific Elective (DSE) , Value Education Course (VEC) , Intern./Apprenti./Project./Community (INP) , AbilityEnhancement Course (AEC) , Skill Enhancement Course (SEC) , GenericElective (GE)																									