

**CURRICULUM FOR
ADVANCE DIPLOMA IN TECHNICAL & ANALYTICAL
CHEMISTRY (TA)
*SCHEME : E***

DURATION: ONE & HALF YEAR

PATTERN: FULL TIME - SEMESTER

ELIGIBILITY: B.Sc Chemistry / Biochemistry / Microbiology Diploma in Chemical Engineering Or Environmental Engineering.

(To be implemented from the Academic Year 2009 – 2010)



**MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION. MUMBAI
(AUTONOMOUS)**

ISO 9001-2000 Certified

49, Kherwadi, Aliyawer Jung Marg, Mumbai – 400 051



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

TEACHING AND EXAMINATION SCHEME

COURSE NAME : ADVANCE DIPLOMA IN TECHNICAL AND ANALYTICAL CHEMISTRY

COURSE CODE : TA

DURATION OF COURSE : ONE & HALF YEAR / THREE SEMESTER

WITH EFFECT FROM 2009-10

YEAR/SEMESTER : FIRST SEMESTER

DURATION : 16 WEEKS

PATTERN : FULL TIME – SEMESTER

SCHEME : E

SR. No.	SUBJECT TITLE	Abbreviation	SUB CODE	TEACHING SCHEME			EXAMINATION SCHEME									
				TH	TU	PR	PAPER HRS	TH (1)		PR (4)		OR (8)		TW (9)		SW (16009)
								Max	Min	Max	Min	Max	Min	Max	Min	
1	Statistical Techniques	STE	13039	4	--	4	3	100	50	--	--	--	--	50@	25	50
2	Instrumental Techniques of Analysis	ITE	13040	4	--	4	3	100	50	50 #	25	--	--	--	--	
3	Techniques of Analysis – I	TEA	13041	4	--	4	3	100	50	50@	25	--	--	--	--	
4	Techniques of Analysis – II	TEY	13042	4	--	4	3	100	50	50@	25	--	--	--	--	
5	Basic Electronics	BTX	13043	1	--	--	--	--	--	--	--	--	--	50@	25	
6	Industrial Safety	ISF	13044	1	--	--	--	--	--	--	--	--	--	50@	25	
7	Seminar	SEM	13045	--	--	1	--	--	--	--	--	50@	25	--	--	
TOTAL				18	--	17	--	400	--	150	--	100	--	150	--	50

STUDENT CONTACT HOURS PER WEEK (FORMAL TEACHING) : 35


THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.


TOTAL MARKS: 850@ Internal Assessment, # External Assessment, Ø Common to All Conventional Diploma, #* Online Examination, No Theory Examination.

ABBREVIATIONS: TH-THEORY, TU- TUTORIAL, PR-PRACTICAL, OR-ORAL, TW-TERM WORK

Abbreviations: TH-Theory, TU- Tutorial, PR-Practical, OR-Oral, TW- Termwork, SW- Sessional Work

- Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).
- Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms
- Code number for TH, PR, OR and TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.

 MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI TEACHING AND EXAMINATION SCHEME																	
COURSE NAME : ADVANCE DIPLOMA IN TECHNICAL AND ANALYTICAL CHEMISTRY																	
COURSE CODE : TA																	
DURATION OF COURSE : ONE & HALF YEAR / THREE SEMESTER										WITH EFFECT FROM 2009-10							
YEAR/SEMESTER : SECOND SEMESTER										DURATION : 16 WEEKS							
PATTERN : FULL TIME – SEMESTER										SCHEME : E							
Sr. No	SUBJECT TITLE	Abbreviation	SUB CODE	TEACHING SCHEME			PAPER HRS	EXAMINATION SCHEME									SW (16010)
				TH	TU	PR		TH (1)		PR (4)		OR (8)		TW (9)			
								Max	Min	Max	Min	Max	Min	Max	Min		
1	Pharmaceutical and Microbiological Analysis	PMA	13094	4	--	4	3	100	50	50 #	25	--	--	--	--	50	
2	Analysis of Food, Oils and Fats	FOF	13095	4	--	4	3	100	50	50@	25	--	--	--	--		
3	Applied Analytical Chemistry – I	AAC	13096	4	--	4	3	100	50	50@	25	--	--	--	--		
4	Applied Analytical Chemistry – II	ACH	13097	4	--	4	3	100	50	50@	25	--	--	--	--		
5	Industrial Management	IMN	13098	1	--	--	--	--	--	--	--	--	--	50@	25		
6	Group Discussion	GDP	13099	--	--	1	--	--	--	--	--	50@	25	--	--		
7	Seminar	SMR	13100	--	--	1	--	--	--	--	--	50@	25	--	--		
TOTAL				17	--	18	--	400	--	200	--	100	--	50	--	50	
STUDENT CONTACT HOURS PER WEEK (FORMAL TEACHING) : 35 hrs.																	
THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.																	
TOTAL MARKS: 800																	
@ Internal Assessment, # External Assessment, Ø Common to All Conventional Diploma, #* Online Examination, No Theory Examination.																	
Abbreviations: TH-Theory, TU- Tutorial, PR-Practical, OR-Oral, TW- Termwork, SW- Sessional Work																	
➤ Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).																	
➤ Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms																	
➤ Code number for TH, PR, OR and TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.																	

 MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI TEACHING AND EXAMINATION SCHEME																
COURSE NAME : ADVANCE DIPLOMA IN TECHNICAL AND ANALYTICAL CHEMISTRY (TA)																
COURSE CODE : TA																
DURATION OF COURSE : ONE & HALF YEAR / THREE SEMESTER										WITH EFFECT FROM 2009-10						
YEAR/SEMESTER : THIRD SEMESTER										DURATION : 16 WEEKS						
PATTERN : FULL TIME - SEMESTER										SCHEME : E						
SR No	SUBJECT TITLE	Abbreviation	SUB CODE	TEACHING SCHEME			EXAMINATION SCHEME									
				TH	TU	PR	PAPER HRS	TH (1)		PR (4)		OR (8)		TW (9)		SW (16011)
								Max	Min	Max	Min	Max	Min	Max	Min	
1	Project on Inplant Training	TRA	13116	--	--	40	--	--	--	--	--	50#	25	100#	50	--
2	Seminar on Project	SMP	13117	--	--	--	--	--	--	--	--	50#	25	--	--	
TOTAL				--	--	40	--	--	--	--	--	100	--	100	--	--

STUDENT CONTACT HOURS PER WEEK (FORMAL TEACHING) : Training – 8 hrs / day for 16 weeks (minimum).
 THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.
TOTAL MARKS: 200
 @ Internal Assessment, # External Assessment, Ø Common to All Conventional Diploma, #* Online Examination, No Theory Examination.
 Abbreviations: TH-Theory, TU- Tutorial, PR-Practical, OR-Oral, TW- Termwork, SW- Sessional Work

- Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).
- Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms
- Code number for TH, PR, OR and TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.