

DEPARTMENT OF TECHNICAL EDUCATION

From

The Principal Secretary/Commissioner  
of Technical Education,  
Directorate of Technical Education,  
Chennai 600 025.

To

ALL  
The Principals of  
Government,  
Government Aided and  
Self Financing Polytechnic Colleges and  
Special Institutions

Letter No. 22639 /Y3/CDC/2014, Dated: 23.4.2015

Sir,

Sub: Technical Education – Curriculum Development Center –  
Revised Curriculum under 'M' Scheme for I Year Syllabus -  
Diploma Programmes-Implementation- Regarding.

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The revised curriculum and syllabi under 'M' Scheme is to be implemented for the students admitted in the First year (from 2015-16) of the Diploma in Engineering and Technology and Special Programmes and the same has been hosted in the DOTE Website.

In this regard, it is informed that the revised curriculum and syllabus ('M' Scheme) should be implemented scrupulously for the First year students of Diploma in Engineering and Technology and Special Programmes from this academic year (2015-16) onwards without any deviation.

You are requested to inform the same to the HOD/Faculty concerned and to put up the same on the Notice Board.

Kindly acknowledge the receipt of this letter immediately.

*[Signature]*  
23/4/15  
for Principal Secretary /  
Commissioner of Technical Education

B. G. S.  
23/4/15  
*[Signature]*  
23/4/15



GOVERNMENT OF TAMILNADU

# SYLLABUS

DIPLOMA IN ENGINEERING AND TECHNOLOGY  
& SPECIAL PROGRAMMES

FIRST YEAR

*2015-2016*

SEMESTER SYSTEM

M - SCHEME

DIRECTORATE OF TECHNICAL EDUCATION  
TAMIL NADU

**STATE BOARD OF TECHNICAL EDUCATION & TRAINING, TAMILNADU**  
**DIPLOMA IN ENGINEERING / TECHNOLOGY SYLLABUS**

**M-SCHEME**

(Implements from the Academic year 2015-2016 onwards)

**CURRICULUM OUTLINE**

***FIRST SEMESTER (FULL TIME)***

S.No.	SUBJECT	HOURS PER WEEK				
		Theory Hours	Drawing	Tutorial	Practical hours	Total Hours
<a href="#">30011</a>	<a href="#">Communication English-I</a>	5	-	-	-	5
<a href="#">30012</a>	<a href="#">Engineering Mathematics-I</a>	8	-	-	-	8
<a href="#">30013</a>	<a href="#">Engineering Physics-I</a>	5	-	-	-	5
<a href="#">30014</a>	<a href="#">Engineering Chemistry-I</a>	5	-	-	-	5
<a href="#">30015</a>	<a href="#">Engineering Graphics-I</a>	-	5	-	-	5
<a href="#">30016</a>	<a href="#">Engineering Physics-I Practical</a>	-	-	-	2	2
<a href="#">30017</a>	<a href="#">Engineering Chemistry-I Practical</a>	-	-	-	2	2
<a href="#">30018</a>	<a href="#">Workshop Practice</a>	-	-	-	3	3
<b>TOTAL</b>		<b>23</b>	<b>5</b>	<b>-</b>	<b>7</b>	<b>35</b>

***SECOND SEMESTER (FULL TIME)***

S.No.	SUBJECT	HOURS PER WEEK				
		Theory Hours	Drawing	Tutorial	Practical hours	Total Hours
<a href="#">30021</a>	<a href="#">Communication English-II</a>	5	-	-	-	5
<a href="#">30022</a>	<a href="#">Engineering Mathematics-II</a>	5	-	-	-	5
<a href="#">30023</a>	<a href="#">Applied Mathematics</a>	5	-	-	-	5
<a href="#">30024</a>	<a href="#">Engineering Physics-II</a>	5	-	-	-	5
<a href="#">30025</a>	<a href="#">Engineering Chemistry-II</a>	5	-	-	-	5
<a href="#">30026</a>	<a href="#">Engineering Graphics-II</a>	-	6	-	-	6
<a href="#">30027</a>	<a href="#">Engineering Physics-II Practical</a>	-	-	-	2	2
<a href="#">30028</a>	<a href="#">Engineering Chemistry-II Practical</a>	-	-	-	2	2
<b>TOTAL</b>		<b>25</b>	<b>6</b>	<b>-</b>	<b>4</b>	<b>35</b>

**M-SCHEME**  
**SCHEME OF THE EXAMINATION**

***FIRST SEMESTER (FULL TIME)***

S.No.	SUBJECT	Examination Marks			Minimum for Pass	Duration of Exam Hours
		Internal assessment Marks	Board Exam Marks	Total Mark		
<a href="#">30011</a>	<a href="#">Communication English-I</a>	25	75	100	40	3
<a href="#">30012</a>	<a href="#">Engineering Mathematics-I</a>	25	75	100	40	3
<a href="#">30013</a>	<a href="#">Engineering Physics-I</a>	25	75	100	40	3
<a href="#">30014</a>	<a href="#">Engineering Chemistry-I</a>	25	75	100	40	3
<a href="#">30015</a>	<a href="#">Engineering Graphics-I</a>	25	75	100	40	3
<a href="#">30016</a>	<a href="#">Engineering Physics-I Practical</a>	25	75	100	50	3
<a href="#">30017</a>	<a href="#">Engineering Chemistry-I Practical</a>	25	75	100	50	3
<a href="#">30018</a>	<a href="#">Workshop Practice</a>	25	75	100	50	3
<b>TOTAL</b>		<b>200</b>	<b>600</b>	<b>800</b>		

***SECOND SEMESTER (FULL TIME)***

S.No.	SUBJECT	Examination Marks			Minimum for Pass	Duration of Exam Hours
		Internal assessment Marks	Board Exam Marks	Total Mark		
<a href="#">30021</a>	<a href="#">Communication English-II</a>	25	75	100	40	3
<a href="#">30022</a>	<a href="#">Engineering Mathematics-II</a>	25	75	100	40	3
<a href="#">30023</a>	<a href="#">Applied Mathematics</a>	25	75	100	40	3
<a href="#">30024</a>	<a href="#">Engineering Physics-II</a>	25	75	100	40	3
<a href="#">30025</a>	<a href="#">Engineering Chemistry-II</a>	25	75	100	40	3
<a href="#">30026</a>	<a href="#">Engineering Graphics-II</a>	25	75	100	40	3
<a href="#">30027</a>	<a href="#">Engineering Physics-II Practical</a>	25	75	100	50	3
<a href="#">30028</a>	<a href="#">Engineering Chemistry-II Practical</a>	25	75	100	50	3
<b>TOTAL</b>		<b>200</b>	<b>600</b>	<b>800</b>		

## M-SCHEME CURRICULUM OUTLINE

### *FIRST SEMESTER (PART TIME)*

S.No.	SUBJECT	HOURS PER WEEK				
		Theory Hours	Drawing	Tutorial	Practical hours	Total Hours
<a href="#">30011</a>	<a href="#">Communication English-I</a>	3	-	-	-	3
<a href="#">30012</a>	<a href="#">Engineering Mathematics-I</a>	5	-	-	-	5
<a href="#">30013</a>	<a href="#">Engineering Physics-I</a>	3	-	-	-	3
<a href="#">30014</a>	<a href="#">Engineering Chemistry-I</a>	3	-	-	-	3
<a href="#">30016</a>	<a href="#">Engineering Physics-I Practical</a>	-	-	-	2	2
<a href="#">30017</a>	<a href="#">Engineering Chemistry-I Practical</a>	-	-	-	2	2
<a href="#">30018</a>	<a href="#">Workshop Practice</a>	-	-	-	3	3
<b>TOTAL</b>		<b>14</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>21</b>

30015 Engineering Graphics-I will be in the second year.

### *SECOND SEMESTER (PART TIME)*

S.No.	SUBJECT	HOURS PER WEEK				
		Theory Hours	Drawing	Tutorial	Practical hours	Total Hours
<a href="#">30021</a>	<a href="#">Communication English-II</a>	3	-	-	-	3
<a href="#">30022</a>	<a href="#">Engineering Mathematics-II</a>	4	-	-	-	4
<a href="#">30023</a>	<a href="#">Applied Mathematics</a>	4	-	-	-	4
<a href="#">30024</a>	<a href="#">Engineering Physics-II</a>	3	-	-	-	3
<a href="#">30025</a>	<a href="#">Engineering Chemistry-II</a>	3	-	-	-	3
<a href="#">30027</a>	<a href="#">Engineering Physics-II Practical</a>	-	-	-	2	2
<a href="#">30028</a>	<a href="#">Engineering Chemistry-II Practical</a>	-	-	-	2	2
<b>TOTAL</b>		<b>17</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>21</b>

30026 Engineering Graphics-II will be in the second year.

**M-SCHEME**  
**SCHEME OF THE EXAMINATION**

**FIRST SEMESTER (PART TIME)**

S.No.	SUBJECT	Examination Marks			Minimum for Pass	Duration of Exam Hours
		Internal assessment Marks	Board Exam Marks	Total Mark		
<a href="#">30011</a>	<a href="#">Communication English-I</a>	25	75	100	40	3
<a href="#">30012</a>	<a href="#">Engineering Mathematics-I</a>	25	75	100	40	3
<a href="#">30013</a>	<a href="#">Engineering Physics-I</a>	25	75	100	40	3
<a href="#">30014</a>	<a href="#">Engineering Chemistry-I</a>	25	75	100	40	3
<a href="#">30016</a>	<a href="#">Engineering Physics-I Practical</a>	25	75	100	50	3
<a href="#">30017</a>	<a href="#">Engineering Chemistry-I Practical</a>	25	75	100	50	3
<a href="#">30018</a>	<a href="#">Workshop Practice</a>	25	75	100	50	3
<b>TOTAL</b>		<b>175</b>	<b>525</b>	<b>700</b>		

30015 Engineering Graphics-I will be in the second year.

**SECOND SEMESTER (PART TIME)**

S.No.	SUBJECT	Examination Marks			Minimum for Pass	Duration of Exam Hours
		Internal assessment Marks	Board Exam Marks	Total Mark		
<a href="#">30021</a>	<a href="#">Communication English-II</a>	25	75	100	40	3
<a href="#">30022</a>	<a href="#">Engineering Mathematics-II</a>	25	75	100	40	3
<a href="#">30023</a>	<a href="#">Applied Mathematics</a>	25	75	100	40	3
<a href="#">30024</a>	<a href="#">Engineering Physics-II</a>	25	75	100	40	3
<a href="#">30025</a>	<a href="#">Engineering Chemistry-II</a>	25	75	100	40	3
<a href="#">30027</a>	<a href="#">Engineering Physics-II Practical</a>	25	75	100	50	3
<a href="#">30028</a>	<a href="#">Engineering Chemistry-II Practical</a>	25	75	100	50	3
<b>TOTAL</b>		<b>175</b>	<b>525</b>	<b>700</b>		

30026 Engineering Graphics-II will be in the second year.