

## Syllabus for Civil Engineering as per C-16 Curriculum FIRST YEAR

Sub code	Name of the Subject	Instruction periods/week		Total periods per year	Scheme of Examination			
		Theory	Practicals		Duration (Hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY								
<b>C-101</b>	<b>English</b>	<b>3</b>		<b>90</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-102</b>	<b>Engineering Mathematics – I</b>	<b>5</b>		<b>150</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-103</b>	<b>Engineering Physics</b>	<b>4</b>		<b>120</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-104</b>	<b>Engineering Chemistry and Environmental studies</b>	<b>4</b>		<b>120</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-105</b>	<b>Surveying – 1</b>	<b>5</b>		<b>150</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-106</b>	<b>Engineering Mechanics</b>	<b>5</b>		<b>150</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
PRACTICAL								
<b>C-107</b>	<b>Engineering Drawing</b>		<b>6</b>	<b>180</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
<b>C-108</b>	<b>Surveying - I Practice &amp; Plotting</b>		<b>4</b>	<b>120</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
<b>C-109</b>	<b>Physics Laboratory</b>		<b>3</b>	<b>90</b>	<b>3</b>	<b>20</b>	<b>30</b>	<b>50</b>
<b>C-110</b>	<b>Chemistry Laboratory</b>				<b>3</b>	<b>20</b>	<b>30</b>	<b>50</b>
<b>C-111</b>	<b>Computer Fundamentals laboratory</b>		<b>3</b>	<b>90</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
	<b>TOTAL</b>	<b>26</b>	<b>16</b>	<b>1260</b>		<b>280</b>	<b>720</b>	<b>1000</b>

### III SEMESTER

Sub code	Name of the Subject	Instruction periods/week		Total periods per year	Scheme of Examination			
		Theory	Practicals		Duration (Hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY								
C-301	Engineering Mathematics –II	5		75	3	20	80	100
C-302	Strength of Materials & Theory of Structures	6		90	3	20	80	100
C-303	Hydraulics	6		90	3	20	80	100
C-304	Surveying-II	5		75	3	20	80	100
C-305	Construction Materials	4		60	3	20	80	100
PRACTICAL								
C-306	Civil Engineering Drawing-I		6	90	3	40	60	100
C-307	Material Testing Laboratory		3	45	3	40	60	100
C-308	Surveying - II Practice & Plotting		4	60	3	40	60	100
C-309	Hydraulics Laboratory		3	45	3	40	60	100
	TOTAL	26	16	630		260	640	900

## IV SEMESTER

Sub code	Name of the Subject	Instruction periods/week		Total periods per year	Scheme of Examination			
		Theory	Practicals		Duration (Hrs)	Sessional Marks	End Exam Marks	Total Marks
<b>THEORY</b>								
<b>C-401</b>	<b>Reinforced Concrete Structures</b>	<b>6</b>		<b>90</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-402</b>	<b>Irrigation Engineering</b>	<b>4</b>		<b>60</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-403</b>	<b>Quantity Surveying</b>	<b>6</b>		<b>90</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-404</b>	<b>Transportation Engineering</b>	<b>5</b>		<b>75</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-405</b>	<b>Construction Practice</b>	<b>4</b>		<b>60</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>PRACTICAL</b>								
<b>C-406</b>	<b>Civil Engineering Drawing-II</b>		<b>4</b>	<b>60</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
<b>C-407</b>	<b>CAD Practice - I</b>		<b>6</b>	<b>90</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
<b>C-408</b>	<b>Communication skills</b>		<b>3</b>	<b>45</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
<b>C-409</b>	<b>Building Construction Practices</b>		<b>4</b>	<b>60</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
	<b>TOTAL</b>	<b>26</b>	<b>17</b>	<b>630</b>		<b>260</b>	<b>640</b>	<b>900</b>

## V SEMESTER

Sub code	Name of the Subject	Instruction periods/week		Total periods per year	Scheme of Examination			
		Theory	Practicals		Duration (Hrs)	Sessional Marks	End Exam Marks	Total Marks
<b>THEORY</b>								
<b>C-501</b>	<b>Steel Structures</b>	<b>5</b>		<b>75</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-502</b>	<b>Construction Technology and Project Management</b>	<b>5</b>		<b>75</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-503</b>	<b>Environmental Engineering</b>	<b>6</b>		<b>90</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-504</b>	<b>Geotechnical Engineering</b>	<b>4</b>		<b>60</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>C-505</b>	<b>Advanced Civil Engineering Technologies</b>	<b>6</b>		<b>90</b>	<b>3</b>	<b>20</b>	<b>80</b>	<b>100</b>
<b>PRACTICAL</b>								
<b>C-506</b>	<b>Civil Engineering Drawing-III</b>		<b>4</b>	<b>60</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
<b>C-507</b>	<b>CAD Practice - II</b>		<b>6</b>	<b>90</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
<b>C-508</b>	<b>Life skills</b>		<b>3</b>	<b>45</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
<b>C-509</b>	<b>Civil Engineering Work shop</b>		<b>3</b>	<b>45</b>	<b>3</b>	<b>40</b>	<b>60</b>	<b>100</b>
	<b>TOTAL</b>	<b>26</b>	<b>16</b>	<b>630</b>		<b>260</b>	<b>640</b>	<b>900</b>

## VI SEMESTER

S.No	Subject	Duration	Items	Max Marks	Remarks
1	C-601 Practical Training in the Industry	6 Months	1.First Assessment (at the end of 3rd month)	100	
			2. Second Assessment (at the end of 6th month)	100	
			3.Training report i) Log Book	30	
			ii) Report	30	
4. Seminar				40	
<b>Total :</b>				<b>300</b>	

**The industrial training shall carry 300 marks and pass marks are 50%.A candidate failing to secure the minimum marks should complete it at his own expenses.**

**During Industrial training the candidate shall put in a minimum of 90%attendance.**

**OTHER EDUCATIONAL ASSIGNMENTS ALONG WITH CURRICULUM (COMMON FOR ALL BRANCHES)**

<b>S.NO</b>	<b>ASSIGNMENT</b>	<b>PER SEM</b>
1	Skill Development program by APSSDC	15 days
2	Industrial Visits	2
3	Workshops	1

**CO- CURRICULAR ACTIVITIES (COMMON FOR ALL BRANCHES)**

<b>S.NO</b>	<b>ASSIGNMENT</b>	<b>PER YEAR</b>
1	TECH FEST	2days
2	SPORTS & GAMES	1 WEEK