

**Solapur University, Solapur**  
**Faculty of Science**  
**Choice Based Credit System (CBCS)**  
(w.e.f.2016-17)  
**Structure for B. Sc-I**

Subject/ Core Course	Name and Type of the Paper		No. of papers/ Practical	Hrs/week			Total Marks Per Paper	UA	CA	Credits
	Type	Name		L	T	P				
<b>Class :-&gt;</b>	<b>B.Sc.- I Semester - I</b>									
<b>Ability Enhancement Course(AECC)</b>		English Paper I (communication skill)		4			100	70	30	4
<b>Elective</b> (*Students can opt any Four Subjects from the Twelve Subjects Listed below. Out of these Four Subjects One Subject will be CORE and other Three will be ELECTIVE Subjects.)	Subject 1	Paper I		2.5	--	--	100	70	30	2.5
		Paper II		2.5	--	--	100	70	30	2.5
	Subject 2	Paper I		2.5	--	--	100	70	30	2.5
		Paper II		2.5	--	--	100	70	30	2.5
	Subject 3	Paper I		2.5	--	--	100	70	30	2.5
		Paper II		2.5	--	--	100	70	30	2.5
	Subject 4	Paper I		2.5	--	--	100	70	30	2.5
		Paper II		2.5	--	--	100	70	30	2.5
<b>Total</b>				<b>24</b>	--	--	<b>900</b>	<b>630</b>	<b>270</b>	<b>20</b>
<b>Class :-&gt;</b>	<b>B.Sc.- I Semester - II</b>									
<b>Ability Enhancement Course(AECC)</b>		English Paper I (communication skill)		4			100	70	30	4
<b>Elective</b> (*Students can opt any Four Subjects from the Twelve Subjects Listed below. Out of these Four Subjects One Subject will be CORE and other Three will be ELECTIVE Subjects.)	Subject 1	Paper III		2.5	--	--	100	70	30	2.5
		Paper IV		2.5	--	--	100	70	30	2.5
	Subject 2	Paper III		2.5	--	--	100	70	30	2.5
		Paper IV		2.5	--	--	100	70	30	2.5
	Subject 3	Paper III		2.5	--	--	100	70	30	2.5
		Paper IV		2.5	--	--	100	70	30	2.5
	Subject 4	Paper III		2.5	--	--	100	70	30	2.5
		Paper IV		2.5	--	--	100	70	30	2.5
<b>Total (Theory)</b>				<b>24</b>	--	--	<b>900</b>	<b>630</b>	<b>270</b>	<b>20</b>
<b>Elective</b>	Subject 1	Practical I		--	--	4	100	70	30	4
	Subject 2	Practical I		--	--	4	100	70	30	4
	Subject 3	Practical I		--	--	4	100	70	30	4
	Subject 4	Practical I		--	--	4	100	70	30	4
<b>Total (Pract.)</b>						<b>16</b>	<b>400</b>	<b>280</b>	<b>120</b>	<b>16</b>
<b>Grand Total</b>				<b>24</b>		<b>16</b>	<b>1300</b>	<b>910</b>	<b>390</b>	<b>56</b>

\*Elective Subjects

Chemistry/Physics/Electronics/Computer Science/Mathematics/Statistics/Botany/Zoology/  
Microbiology/Geology/ Geography/Psychology

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**Structure for B. Sc-II**

Subject/ Core Course	Name and Type of the Paper		No. of papers/ Practical	Hrs/week			Total Marks Per Paper	UA	CA	Credits
	Type	Name		L	T	P				
<b>Class :→</b>										
<b>B.Sc.- II Semester - III</b>										
<b>Elective</b> (*Students can opt any Three subjects among the Four Subjects offered at B.Sc.I. Out of Three Subjects offered One Subject will be the Core Subject <b>OR</b> Students can opt any Two subjects among the Four Subjects offered at B.Sc.I. Out of Two Subjects One Subject will be the Core Subject and any One Subject among the other will be Elective Subject		Subject 1	Paper V	3	--	--	100	70	30	3
			Paper VI	3	--	--	100	70	30	3
		Subject 2	Paper V	3	--	--	100	70	30	3
			Paper VI	3	--	--	100	70	30	3
		Subject 3	Paper V	3	--	--	100	70	30	3
			Paper VI	3	--	--	100	70	30	3
<b>Grand Total</b>				<b>18</b>	--	--	<b>600</b>	<b>420</b>	<b>180</b>	<b>18</b>
<b>Class :→</b>										
<b>B.Sc.- II Semester - IV</b>										
	<b>Ability Enhancem ent Course(A ECC)</b>	Environmental Science		4			100	70	30	4
<b>Elective</b> (*Students can opt any Three subjects among the Four Subjects offered at B.Sc.I. Out of Three Subjects offered One Subject will be the Core Subject <b>OR</b> Students can opt any Two subjects among the Four Subjects offered at B.Sc.I. Out of Two Subjects One Subject will be the Core Subject and any One Subject among the other will be Elective Subject		Subject 1	Paper VII	3	--	--	100	70	30	3
			Paper VIII	3	--	--	100	70	30	3
		Subject 2	Paper VII	3	--	--	100	70	30	3
			Paper VIII	3	--	--	100	70	30	3
		Subject 3	Paper VII	3	--	--	100	70	30	3
			Paper VIII	3	--	--	100	70	30	3
<b>Total (Theory)</b>				<b>22</b>	--	--	<b>700</b>	<b>490</b>	<b>210</b>	<b>18</b>
<b>Elective</b>		Subject 1	Pr. II&III	--	--	8	200	140	60	8
		Subject 2	Pr. II&III	--	--	8	200	140	60	8
		Subject 3	Pr. II&III	--	--	8	200	140	60	8
<b>Total (Practicals)</b>						<b>24</b>	<b>600</b>	<b>420</b>	<b>180</b>	<b>24</b>
<b>Grand Total</b>				<b>22</b>		<b>24</b>	<b>1300</b>	<b>910</b>	<b>390</b>	<b>60</b>

\*Elective Subjects

**Chemistry/Physics/Electronics/Computer Science/Mathematics/Statistics/Botany/Zoology/  
Microbiology/Geology/ Geography/Psychology**

**Elective Subjects- (Additional)-Geochemistry/Biochemistry/Meteorology/Plant Protection**

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**Structure for B. Sc-III**

Subject/ Core Course	Name and Type of the Paper		No. of papers/ Practical	Hrs/week			Total Marks Per Paper	UA	CA	Cr edi ts
	Type	Name		L	T	P				
<b>Class :→</b>	<b>B.Sc.- III Semester - V</b>									
	Ability Enhanceme nt Course(AE CC)	English	Paper-III	4			100	70	30	4
	Core	Subject	Paper IX	3	--	--	100	70	30	3
	Core		Paper X	3	--	--	100	70	30	3
	Core		Paper XI	3	--	--	100	70	30	3
	DSE-1	Subject	Paper XII	3	--	--	100	70	30	3
	DSE-2		Paper XII	3	--	--	100	70	30	3
<b>Grand Total</b>				<b>16</b>	--	--	<b>500</b>	<b>350</b>	<b>150</b>	<b>12</b>
<b>Class :→</b>	<b>B.Sc.- III Semester -VI</b>									
	Ability Enhanceme nt Course(AE CC)	English	Paper-IV	4			100	70	30	4
	Core	Subject	Paper XIII	3	--	--	100	70	30	3
	Core		Paper XIV	3	--	--	100	70	30	3
	Core		Paper XV	3	--	--	100	70	30	3
	DSE-1	Subject	Paper XVI	3	--	--	100	70	30	3
	DSE-2		Paper XVI	3	--	--	100	70	30	3
<b>Total (Theory)</b>				<b>16</b>	--	--	<b>500</b>	<b>350</b>	<b>150</b>	<b>12</b>
	Core	Subject	Practical IV	--	--	5	100	70	30	5
	Core		Practical V	--	--	5	100	70	30	5
	Core		Practical VI	--	--	5	100	70	30	5
	DSE		Practical VII	--	--	5	100	70	30	5
<b>Total (Practicals)</b>						<b>20</b>	<b>400</b>	<b>280</b>	<b>120</b>	<b>20</b>
<b>Grand Total</b>				<b>16</b>		<b>20</b>	<b>900</b>	<b>630</b>	<b>270</b>	<b>44</b>

**Core Subjects-**

**Chemistry/Physics/Electronics/Computer Science/Mathematics/Statistics/Botany/Zoology/**

**Microbiology/Geology**

**Discipline Specific Elective Paper-The Subject will be specific as per the chosen core subjects.**

## Summary of the Structure of B.Sc.Programme as per CBCS pattern

Class	Semester	Marks-Theory	Credits-Theory	Marks-Practical	Credits-Practicals	Total - credits
<b>B.Sc.-I</b>	I	900	20	-	-	20
	II	900	20	400	16	36
<b>B.Sc.-II</b>	III	600	18	-	-	18
	IV	700	18	600	24	42
<b>B.Sc.-III</b>	V	500	12	-	-	12
	VI	500	12	400	20	32
<b>Total</b>		<b>4100</b>	<b>100</b>	<b>1400</b>	<b>60</b>	<b>160</b>

### B.Sc.Programme :

- Total Marks : Theory + Practicals = 4100 +1400 =5500
- Credits : Theory + Practicals = 100 + 60 = 160
- Numbers of Papers Theory: Ability Enhancement Course(AECC) : 05  
Theory: Discipline Specific Elective Paper (DSE) : 02  
Theory: Core Course (CC) : 34

**Total : Theory Papers:41**

**Practical: Core Course (CC) : 14**

### Abbreviations :

- L: Lectures
- T: Tutorials
- P: Practicals
- UA : University Assessment
- CA : College Assessment
- CC: Core Course
- AEC : Ability Enhancement Course
- DSE : Discipline Specific Elective Paper

### Important Note:

- Board of Studies in the respective subject may design the curriculum/syllabus of one additional paper of the same Number (Paper –XII) as DSE Paper, so that students can optany one of these two papers for semester –V. Similarly, the students can opt for one DSE paper (Paper-XVI)for Semester- VI.
- The Credits for the Practicals are changed as per the number of Hours per week.
- For B.Sc.-I, Sem -I and II. Papers of each subject are divided as per previous pattern to give more weightage and to reduce the stress of the students.
- Combined passing for B. Sc.- II Practicals ( Practical – II & III)
- Combined passing for B. Sc-III Pratical (Practical – IV-VIII)
- The 30 marks of College level Assessment (CA) may be distributed as , 15 Marks for Internal Test and 15 Marks for Home Assignment/seminars/Viva/industrial visit/Group discussion etc.

**Detailed plan for  
implementing  
CBCS or  
expanding the  
scope of CBCS in  
academic year  
2016-17**

<b>M.Sc./M.A. (PG Course)</b>	<b>Core Course</b>	<b>Elective Course</b>	<b>Open Elective Courses</b>
Sem-I	75%	25%	----
Sem-II	50%	25%	25%
Sem-III	50%	25%	25%
Sem-IV	75%	25%	----
<b>B.SC.(UG)</b>			
<b>B.SC.(UG)</b>	<b>Core Course</b>	<b>Elective Course</b>	<b>Open Elective Courses</b>
Sem-I	20%	80%	----
Sem-II	20%	80%	----
Sem-III	----	100%	----
Sem-IV	20%	80%	----
Sem-V	80%	20%	----
Sem-VI	80%	20%	----
<b>B.Com.(UG)</b>			
<b>B.Com.(UG)</b>	<b>Core Course</b>	<b>Elective Course</b>	<b>Open Elective Courses</b>
Sem-I	67%	33%	----
Sem-II	67%	33%	----
Sem-III	67%	33%	----
Sem-IV	67%	33%	----
Sem-V	67%	33%	----
Sem-VI	67%	33%	----
<b>B.A.(UG)</b>			
<b>B.A.(UG)</b>	<b>Core Course</b>	<b>Elective Course</b>	<b>Open Elective Courses</b>
Sem-I	33%	67%	----
Sem-II	33%	67%	----
Sem-III	33%	67%	----
Sem-IV	33%	67%	----
Sem-V	17%	83%	----
Sem-VI	17%	83%	----