

# Punyashlok Ahilyadevi Holkar Solapur University, Solapur

## Faculty of Science and Technology

Choice Based Credit System (CBCS),(w.e.f. 2022-23) Revised Structure for BCA-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 : BCA- I Semester – I</b>										
Ability Enhancement Compulsory Course (AECC)	English Paper I Part-A (communication skill)			4.0			50	40	10	2.0
<b>*Core Courses</b>	DSC 1A	Paper- I		2.5	--	--	50	40	10	4.0
		Paper-II		2.5	--	--	50	40	10	
	DSC 2A	Paper-I		2.5	--	--	50	40	10	4.0
		Paper-II		2.5	--	--	50	40	10	
	**DSC 3A	Paper-I		2.5	--	--	50	40	10	4.0
		Paper-II		2.5	--	--	50	40	10	
	***DSC 4A	Paper-I		2.5	--	--	50	40	10	4.0
		Paper-II		2.5	--	--	50	40	10	
<b>Total</b>				<b>24</b>	--	--	<b>450</b>	<b>360</b>	<b>90</b>	<b>18</b>
<b>Class : BCA- I Semester – II</b>										
Ability Enhancement Course(AECC)	English Paper I Part-B (communication skill)			4.0			50	40	10	2.0
<b>*Core Courses</b>	DSC 1B	Paper-III		2.5	--	--	50	40	10	4.0
		Paper-IV		2.5	--	--	50	40	10	
	DSC 2B	Paper-III		2.5	--	--	50	40	10	4.0
		Paper-IV		2.5	--	--	50	40	10	
	**DSC 3B	Paper-III		2.5	--	--	50	40	10	4.0
		Paper-IV		2.5	--	--	50	40	10	
	***DSC 4B	Paper-III		2.5	--	--	50	40	10	4.0
		Paper-IV		2.5	--	--	50	40	10	
	Democracy, Elections and Good Governance			3			50	40	10	NC
<b>Total (Theory)</b>				<b>24</b>	--	--	<b>450</b>	<b>360</b>	<b>90</b>	<b>18</b>
<b>Core Practical</b>	DSC 1 A & 1B		Practical I	--	--	4	100	80	20	4.0
	DSC 2 A & 2B		Practical I	--	--	4	100	80	20	4.0
	DSC 3A & 3B		Practical I	--	--	4	100	80	20	4.0
	DSC 4A & 4B		Practical I	--	--	4	100	80	20	4.0
<b>Total (Pract.)</b>						<b>16</b>	<b>400</b>	<b>320</b>	<b>80</b>	<b>16</b>
<b>Grand Total</b>				<b>48</b>		<b>16</b>	<b>1300</b>	<b>1040</b>	<b>260</b>	<b>52</b>

**\*Core Courses: DSC 1A , DSC 1B, DSC 2A and DSC 2B (Core computer science courses)**

**\*\*Generic Electives: DSC 3A and DSC 3B: Mathematics/Statistics**

**\*\*\*Generic Electives : DSC 4A and DSC 4B: Electronics**

# Punyashlok Ahilyadevi Holkar Solapur University, Solapur

## Faculty of Science & Technology

Choice Based Credit System (CBCS)(w.e.f.2023-24) Revised Structure for BCA-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 : BCA - II Semester – III</b>											
<b>****Core Courses</b> DSC 1C and DSC 2C are compulsory while student can select either # DSC 3C/GE-3C or AIC-1A as a third subject.	DSC 1C	AIC-1A	Paper-V	3	--	--	50	40	10	4.0	
			Paper-VI	3	--	--	50	40	10		
	DSC 2C			Paper-V	3	--	--	50	40	10	4.0
				Paper-VI	3	--	--	50	40	10	
	# DSC 3C			Paper-V	3	--	--	50	40	10	4.0
				Paper-VI	3	--	--	50	40	10	
<b>Total Sem-III</b>				<b>18</b>	--	--	<b>300</b>	<b>240</b>	<b>60</b>	<b>12</b>	
			\$SEC-1	4	--		100	80	20	4	
<b>Class : BCA - II Semester – IV</b>											
<b>****Core Courses</b> DSC 1D and DSC 2D are compulsory while student can select either # DSC 3D/GE-3D or AIC-1B as a third subject.	DSC 1D	AIC-1B	Paper-VII	3	--	--	50	40	10	4.0	
			Paper-VIII	3	--	--	50	40	10		
	DSC 2D			Paper-VII	3	--	--	50	40	10	4.0
				Paper-VIII	3	--	--	50	40	10	
	****DSC 3D			Paper-VII	3	--	--	50	40	10	4.0
				Paper-VIII	3	--	--	50	40	10	
Environmental Studies				<b>3</b>	--	--	<b>50</b>	<b>40</b>	<b>10</b>	<b>NC</b>	
<b>Total Sem-IV</b>				<b>18</b>			<b>300</b>	<b>240</b>	<b>60</b>	<b>12</b>	
<b>Total (Theory)</b>				<b>36</b>	--	--	<b>600</b>	<b>480</b>	<b>120</b>	<b>24</b>	
<b>Core Practical</b>	DSC 1C & 1D	AIC	Pr. II & III	--	--	8	200	160	40	4.0	
	DSC 2C & 2D	1A &	Pr. II & III	--	--	8	200	160	40	4.0	
	DSC 3C & 3D	1B	Pr. II & III	--	--	8	200	160	40	4.0	
<b>Total (Practical's)</b>						<b>24</b>	<b>600</b>	<b>480</b>	<b>120</b>	<b>24</b>	
<b>Grand Total</b>				<b>36</b>		<b>24</b>	<b>1800</b>	<b>960</b>	<b>240</b>	<b>48</b>	
			\$SEC	<b>4</b>			<b>100</b>	<b>80</b>	<b>20</b>	<b>4</b>	

\*\*\*\*Core Courses: DSC 1C, DSC 2C, DSC 1D and DSC 2D (Core computer science courses)

# Generic Electives: DSC 3C and DSC 3D : Commerce/Management

Additional Interdisciplinary Courses – Bioinformatics /Optimization technics/Data Analytics /NCC.

\$The students can choose MOOCs/ NPTEL/SWAYAM/Pathshala/Add-on / Skill based courses of university/college initiated courses of same credits.

\$ These courses are not compulsory, but after completion of these courses students get additional credits on their mark lists.

\$ SEC courses run by colleges should be communicated to university for information & necessary action.

# Punyashlok Ahilyadevi Holkar Solapur University, Solapur

## Faculty of Science & Technology

### Choice Based Credit System (CBCS)(w.e.f.2024-25) Revised Structure for BCA-III

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 : BCA - III Semester - V</b>										
Ability Enhancement Course(AECC)	English (Business English)		Paper II Part A	4	--	--	50	40	10	2.0
Core Courses:	%DSC 1 E		Paper IX	4	--	--	100	80	20	4.0
	DSC 1 F		Paper X	4	--	--	100	80	20	4.0
	DSC 1 G		Paper XI	4	--	--	100	80	20	4.0
	DSE 1 A/B/C		Paper XII	4	--	--	100	80	20	4.0
<b>Total Theory Sem-V</b>				<b>20</b>	<b>--</b>	<b>--</b>	<b>450</b>	<b>360</b>	<b>90</b>	<b>18</b>
	SEC-2			4	--	--	100	80	20	4.0
<b>Class : BCA - III Semester –VI</b>										
Ability Enhancement Course(AECC)	English (Business English)		Paper II Part B	4	--	--	50	40	10	2.0
Core Courses:	%DSC 1 H		Paper XIII	4	--	--	100	80	20	4.0
	DSC 1 I		Paper XIV	4	--	--	100	80	20	4.0
	DSC 1 J		Paper XV	4	--	--	100	80	20	4.0
	DSE 2 A/B/C		Paper XVI	4	--	--	100	80	20	4.0
<b>Total Theory Sem-VI</b>				<b>20</b>	<b>--</b>	<b>--</b>	<b>450</b>	<b>360</b>	<b>90</b>	<b>18</b>
<b>Core</b>	Project		Practical IV	--	--	5	100	80	20	4.0
	DSC 1F & 1 I		Practical V	--	--	5	100	80	20	4.0
	DSC 1G & 1 J		Practical VI	--	--	5	100	80	20	4.0
	DSE 1A/B/C & 2 A/B/C		Practical VII	--	--	5	100	80	20	4.0
<b>Total (practical)</b>						<b>20</b>	<b>400</b>	<b>320</b>	<b>80</b>	<b>16</b>
<b>Grand Total</b>				<b>40</b>		<b>20</b>	<b>1300</b>	<b>1040</b>	<b>260</b>	<b>52</b>
	\$SEC			<b>4</b>			<b>100</b>	<b>80</b>	<b>20</b>	<b>4</b>

% Theory paper: (Core Computer Science Course )

\$The students can choose MOOCs/ NPTEL/SWAYAM/Pathshala/Add-on / Skill based courses of university/college initiated courses of same credits.

\$ These courses are not compulsory, but after completion of these courses students get additional credits on their Mark lists. \$SEC Courses initiated by colleges should be communicated to university for information and necessary action.

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

Class	Semester	Marks-Theory	Credits-Theory	Marks-Practical	Credits-Practical's	Total - credits
<b>B.Sc.-I</b>	I	450	18	--	--	18
	II	450	18	400	16	34
<b>B.Sc.-II</b>	III	300	12	--	--	12
	IV	300	12	600	24	36
<b>B.Sc.-III</b>	V	450	18	--	--	18
	VI	450	18	400	16	34
<b>Total</b>		2400	96	1400	56	152
	SEC sem-III & V	200	8			8

### **B.Sc. Programme :**

**Total Marks** : Theory + Practical's = 2400(+200) +1400 =3800+200

**Credits** : Theory + Practical's = 96(08) + 56 = 152+08

**Numbers of Papers** Theory: Ability Enhancement Compulsory Course (AECC) 04  
 Theory: Discipline Specific Core Paper (DSC) 20  
 Theory: Discipline Specific Elective paper(DSE) 02  
 Skill Enhancement Course (SEC) 04

**Total** : Theory Papers (Core paper-22 )30  
 : Practical Papers 11

### **Abbreviations:**

L: Lectures T: Tutorials P: Practical UA : University Assessment CA : College Assessment CC: Core Course AEC : Ability Enhancement Course DSE : Discipline Specific Elective Paper SEC : Skill Enhancement Course, AIC: Additional Interdisciplinary Courses GE: Generic Electives

Note: Each theory papers of 50 Marks should be of two Units.  
 Each theory papers of 100 Marks should be of four Units.  
 Each theory paper Unit is of 15 Lectures.  
 Practical paper of 100 Marks is of at least 20 practical.