

Shri Swami Vivekanand Shikshan Sanstha's  
**Vivekanand College (Autonomous), Kolhapur**  
**Department of BCA**

**CBCS Structure**

**BCA-I CBCS PATTERN (2021-22)**

**S E M E S T E R – I (Duration – 6 Months)**

Sr. No	Course Title	Teaching Scheme						Examination scheme										
		Theory			Practical			Theory						Practical				
		No. of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Theory			Internal			Total		Total		
							Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours.	
1	BCA-1391A	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
2	BCA-1392A	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
3	BCA-1393A	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
4	BCA-1394A	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
5	BCA-1395A	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
6	BCA-1396A	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
7	BCA-1397A				2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
	<b>Total</b>	<b>20</b>	<b>16</b>	<b>20</b>	4	3.2	4	<b>350</b>	-	-	<b>150</b>	-	-	<b>500</b>	-	100		
<b>Semester-II(duration 6 months)</b>																		
8	BCA-1398B	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
9	BCA-1399B	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
10	BCA-1400B	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
11	BCA-1401B	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
12	BCA-1402B	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
13	BCA-1403B	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
14	BCA-1404B	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
	<b>Total</b>	<b>20</b>	<b>16</b>	<b>20</b>	4	3.2	4	<b>350</b>	-	-	<b>150</b>	-	-	<b>500</b>	-	100		
	<b>Grand Total</b>	40	32	40	8	6.4	8	<b>700</b>			<b>300</b>			1000		200		

<ul style="list-style-type: none"> <li>• Student contact hours per week : 16 Hours (Min.)</li> <li>• Theory Lectures : 48 Minutes Each</li> <li>• Course list as per enclosed Annexure.</li> </ul>	<ul style="list-style-type: none"> <li>• Total Marks for BCA.-I : <b>1200</b></li> <li>• Total Credits for BCA.-I (Semester I &amp; II) : <b>48</b></li> </ul>
<ul style="list-style-type: none"> <li>• Practical Examination</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Separate passing is mandatory for Theory, Internal, and Practical.</i></li> </ul>

## BCA – II C B C S PATTERN (2022-23)(Commerce and Management)

### SEMESTER – III (Duration – 6 Months)

Sr. No	Course Title	Teaching Scheme						Examination scheme										
								Theory									Practical	
		Theory			Practical			Theory			Internal			Total		Total		
No. of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Hours	
1	BCA-1405C	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
2	BCA-1406C	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
3	BCA-1407C	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
4	BCA-1408C	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
5	BCA-1409C	4	3.2	4	-	-	-	70	28	3	30	12	1	100	40	-	-	-
6	BCA-1410C	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
7	BCA-1411C	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
8	SEC-I																	
	<b>Total</b>	<b>20</b>	<b>16</b>	<b>20</b>	4	3.2	4	<b>400</b>	-	-	<b>100</b>	-	-	<b>500</b>	-	100		
<b>Semester-IV(duration 6 months)</b>																		
9	BCA-1412D	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
10	BCA-1413D	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
11	BCA-1414D	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
12	BCA-1415D	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
13	BCA-1416D	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
14	BCA-1417D	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
15	BCA-1418D	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
16	SEC-I						2											
	<b>Total</b>	<b>20</b>	<b>16</b>	<b>20</b>	4	3.2	6	<b>400</b>	-	-	<b>100</b>	-	-	<b>500</b>	-	100		
	<b>Grand Total</b>	<b>40</b>	<b>32</b>	<b>40</b>	8	6.4	8	<b>800</b>			<b>200</b>			<b>1000</b>		<b>200</b>		

<ul style="list-style-type: none"> <li>• Student contact hours per week : 16 Hours (Min.)</li> <li>• Theory Lectures : 48 Minutes Each</li> <li>• Course list as per enclosed Annexure.</li> </ul>	<ul style="list-style-type: none"> <li>• Total Marks for BCA.-II : <b>1200</b></li> <li>• Total Credits for BCA.-II (Semester III &amp; IIV) : <b>48</b></li> </ul>
<ul style="list-style-type: none"> <li>• Practical Examination</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Separate passing is mandatory for Theory, Internal, and Practical.</i></li> </ul>

The following shall be the courses of the studies under CBCS pattern

**BCA-III CBCS PATTERN (2020-21)**

**S E M E S T E R – V (Duration – 6 Months)**

Sr. No	Course Title	Teaching Scheme						Examination scheme										
		Theory			Practical			Theory						Practical				
		No. of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.
1	BCA-1419E	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
2	BCA-1420E	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
3	BCA-1421E	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
4	BCA-1422E	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
5	BCA-1423E	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
6	BCA-1424E	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
7	BCA-1425E	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
8	SEC-II																	
	<b>Total</b>	<b>20</b>	<b>16</b>	<b>20</b>	<b>4</b>	<b>3.2</b>	<b>4</b>	<b>400</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>500</b>	<b>-</b>	<b>100</b>		
<b>Semester-VI(duration 6 months)</b>																		
8	BCA-1426F	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
9	BCA-1427F	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
10	BCA-1428F	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
11	BCA-1429F	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
12	BCA-1430F	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
13	BCA-1431F	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
14	BCA-1432F	2	1.2	2	2	1.6	2	-	-	-	20	8	1	-	-	80	32	3
15	SEC-II						2											
	<b>Total</b>	<b>18</b>	<b>16</b>	<b>14</b>	<b>6</b>	<b>4.8</b>	<b>8</b>	<b>320</b>				<b>100</b>			<b>400</b>		<b>180</b>	
	<b>Grand Total</b>	<b>38</b>	<b>32</b>	<b>40</b>	<b>10</b>	<b>8</b>	<b>12</b>	<b>720</b>				<b>200</b>			<b>900</b>		<b>280</b>	

• Student contact hours per week : 16 Hours (Min.)	• Total Marks for BCA.-II : <b>1200</b>
• Theory Lectures : 48 Minutes Each	• Total Credits for BCA.-II (Semester V & VI) : <b>48</b>
• Course list as per enclosed Annexure.	
• Practical Examination	• <i>Separate passing is mandatory for Theory, Internal, Practical.</i>

**1. Paper Title with Subject Code**

**BCA Part-I (with effect from 2021-22)**

**BCA Part -I Semester-I (Total Credits = 24)**

<b>Subject Code</b>	<b>Paper Title</b>	<b>Credits</b>
BCA-1391A	Fundamentals of Computer	4
BCA-1392A	Programming Using C Part-I	4
BCA-1393A	Principles of Management	4
BCA-1394A	Financial Accounting with Tally	4
BCA-1395A	Business Communication	4
BCA-1396A	Lab Course-I Based on Fundamental of Computers	2
BCA-1397A	Lab course-II Based on C Programming	2
<b>BCA Part -I Semester-II (Total Credits = 24)</b>		
<b>Subject Code</b>	<b>Paper Title</b>	<b>Credits</b>
BCA-1398B	Basics Web Technology	4
BCA-1399B	Programming Using C Part-II	4
BCA-1400B	Operating System	4
BCA-1401B	Database Management System	4
BCA-1402B	Human Resource Management	4
BCA-1403B	Lab Course-III Based on Web Technology + DBMS	2
BCA-1404B	Lab course-IV Based on C Programming	2

**BCA Part-II (with effect from 2019-20)**

<b>BCA Part -II Semester-III (Total Credits = 24)</b>		
<b>Paper Code</b>	<b>Paper Title</b>	<b>Credits</b>
BCA-1405C	Management Accounting	4
BCA-1406C	Human Resource Management	4
BCA-1407C	System Analysis & Design	4
BCA-1408C	Object Oriented Programming with C++	4
BCA-1409C	Computer Oriented Statistical Methods	4
BCA-1410C	Object Oriented Programming with C++ Practical	2
BCA-1411C	Computer Oriented Statistical Methods Practical	2
BCA-SEC-I	PHP-I	
<b>BCA Part -II Semester-IV (Total Credits = 26)</b>		
<b>Paper Code</b>	<b>Paper Title</b>	<b>Credits</b>
BCA-1412D	Entrepreneurship Development	4
BCA-1413D	Web Technologies	4
BCA-1414D	DBMS	4
BCA-1415D	Organizational Behavior	4
BCA-1416D	Computer Mathematics	4
BCA-1417D	Web Technologies and DBMS using Access Practical	2
BCA-1418D	Mini Project	2
BCA-SEC-I	PHP-I	2

**BCA Part-III (with effect from 2020-21)**

<b>BCA Part -III Semester-V (Total Credits = 24)</b>		
<b>Paper Code</b>	<b>Paper Title</b>	<b>Credits</b>
BCA-1419E	Cost Accounting	4
BCA-1420E	E-Commerce	4
BCA-1421E	Computer Network	4
BCA-1422E	RDBMS with Oracle	4
BCA-1423E	Visual Programming	4
BCA-1424E	RDBMS with Oracle and Visual Programming Practical	2
BCA-1425E	Mini Project	2
BCA-SEC-II	Python-I	
<b>BCA Part -III Semester-VI (Total Credits = 26)</b>		
<b>Paper Code</b>	<b>Paper Title</b>	<b>Credits</b>
BCA-1426F	Strategic Management	4
BCA-1427F	Data Mining and Data Warehousing	4
BCA-1428F	Linux Operating System	4
BCA-1429F	Java Programming	4
BCA-1430F	Linux Operating System Practical	2
BCA-1431F	Java Programming Practical	2
BCA-1432F	Major Project	4
BCA-SEC-II	Python-II	2