

**SRI BALAJI UNIVERSITY, PUNE (SBUP)**  
**SCHOOL OF COMPUTER STUDIES**  
**BCA- SEMESTER-I**  
**GENERIC CORE COURSES**

Sr. No.	Catalog Course Code	Course Code	Course Title	Course Nature	Teaching Hours	Credits	Internal Marks	Standard of Passing	External marks	Standard of Passing	Total Marks	CCE 1 (04)	CCE 2 (04)	CCE 3 (15)	CCE4 (07)	ESE 5(70)
1		BCA101	Business Communication	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
2		BCA102	Web Technology using HTML and CSS	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
3		BCA103	C Programming	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
4		BCA104	Introduction to Database Management System	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
5		BCA105	Fundamentals of Computer	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
6		BCA106	Applied Mathematics	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
7		BCA107	Computer Laboratory	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Lab Internal Exam and Viva (30)				End Term
<b>Total</b>						<b>21</b>	<b>210</b>		<b>490</b>		<b>700</b>					

Note- 30 numbers MCQ Pattern Quiz for 30 minutes or 5 questions for 1 hour (Attempt any three)

**SRI BALAJI UNIVERSITY, PUNE (SBUP)**  
**SCHOOL OF COMPUTER STUDIES**  
**BCA- SEMESTER-II**  
**GENERIC CORE COURSES**

Sr. No.	Catalog Course Code	Course Code	Course Title	Course Nature	Teaching Hours	Credits	Internal Marks	Standard of Passing	External marks	Standard of Passing	Total Marks	CCE 1 (04)	CCE 2 (04)	CCE 3 (15)	CCE4 (07)	ESE 5(70)
1		BCA201	Principles of Management	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
2		BCA202	Python Programming	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
3		BCA203	Elements of System and Software Development	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
4		BCA204	Digital Systems and Computer Organization	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
5		BCA205	Environmental Studies	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
6		BCA206	Web Development using PHP	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
7		BCA207	Computer Laboratory	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Lab Internal Exam and Viva (30)				End Term
<b>Total</b>						<b>21</b>	<b>210</b>		<b>490</b>		<b>700</b>					

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**SRI BALAJI UNIVERSITY, PUNE (SBUP)**  
**SCHOOL OF COMPUTER STUDIES**  
**BCA- SEMESTER-III**  
**GENERIC CORE COURSES**

Sr. No.	Catalog Course Code	Course Code	Course Title	Course Nature	Teaching Hours	Credits	Internal Marks	Standard of Passing	External marks	Standard of Passing	Total Marks	CCE 1 (04)	CCE 2 (04)	CCE 3 (15)	CCE4 (07)	ESE 5(70)
1		BCA301	Object Oriented Concepts and Programming using C++	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
2		BCA302	Advanced DBMS using Oracle	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
3		BCA303	System Programming & Operating System Concepts	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
4		BCA304	Software Testing & Quality Assurance	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
5		BCA305	Computing and Communication Technologies	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
6		BCA306	Statistical Techniques for Business	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
7		BCA307	Computer Laboratory	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Lab Internal Exam and Viva (30)				End Term
<b>Total</b>						<b>21</b>	<b>210</b>		<b>490</b>		<b>700</b>					

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**SRI BALAJI UNIVERSITY, PUNE (SBUP)**  
**SCHOOL OF COMPUTER STUDIES**  
**BCA- SEMESTER-IV**  
**GENERIC CORE COURSES**

Sr. No.	Catalog Course Code	Course Code	Course Title	Course Nature	Teaching Hours	Credits	Internal Marks	Standard of Passing	External marks	Standard of Passing	Total Marks	CCE 1 (04)	CCE 2 (04)	CCE 3 (15)	CCE4 (07)	ESE 5(70)
1		BCA401	Core Java Programming	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
2		BCA402	Implementation of Data Structure using C++	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
3		BCA403	Data Mining and Data Warehousing	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
4		BCA404	Computer Based Modeling Languages	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
5		BCA405	Cloud Infrastructure and Architecture	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
6		BCA406	Data & Information Security Essentials	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
7		BCA407	Computer Laboratory	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Lab Internal Exam and Viva (30)				End Term
<b>Total</b>						<b>21</b>	<b>210</b>		<b>490</b>		<b>700</b>					

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**BCA- SEMESTER-V**  
**GENERIC CORE COURSES**

Sr. No.	Catalog Course Code	Course Code	Course Title	Course Nature	Teaching Hours	Credits	Internal Marks	Standard of Passing	External marks	Standard of Passing	Total Marks	CCE 1 (04)	CCE 2 (04)	CCE 3 (15)	CCE4 (07)	ESE 5(70)
1		BCA501	Advanced Java Programming	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
2		BCA502	Client Side Scripting using Java Script	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
3		BCA503	Real World Interaction with Artificial Intelligence	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
4		BCA504	Software Project Management	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
5		BCA505	Basics of Blockchain Technology	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
6		BCA506	Introduction to Mobile computing	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
7		BCA507	Computer Laboratory	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Lab Internal Exam and Viva (30)				End Term
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**BCA- SEMESTER-VI**  
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1		BCA601	UI/UX Design using Dart and Flutter	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
2		BCA602	Server Side Scripting using Node JS	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
3		BCA603	Foundations of Data Science	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
4		BCA604	Embedded Internet: Internet of Things	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
5		BCA605	Project	Generic Core	45	6	60	40% (Individual Passing)	140	40% (Individual Passing)	200			Mid Term Exam		End Term
6		BCA606	Computer Laboratory	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Lab Internal Exam and Viva (30)				End Term
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