

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

Sr. No.	Course Code	Course Title	Course Nature	Teaching Hours	Credit	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	MCA101	Java Programming	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
2	MCA102	Data Structure and Algorithms	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
3	MCA103	Object Oriented Software Engineering	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
4	MCA104	Advanced Operating System Concepts	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
5	MCA105	Network Technologies	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
6	MCA106	Open Course 1	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)			End Term	
7	MCA107	Open Course 2	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)			End Term	
8	MCA108	Computer Laboratory	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Lab Internal Exam and Viva (30)			End Term	
9	MCA109	Mini Project	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Project Pre-submission Presentation / Demo and Viva (30)			End Term	
10	MCA110	Soft Skills – I	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)			End Term	
		Total			24	270		580		850					

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
MCA SEMESTER-II
GENERIC CORE COURSES

Sr. No.	Course Code	Course Title	Course Nature	Teaching Hours	Credit	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	MCA201	Python Programming	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
2	MCA202	Cyber Security and Malware Analysis	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
3	MCA203	Soft Computing	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
4	MCA204	Web Designing using PHP	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
5	MCA205	Advanced DBMS	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
6	MCA206	Open Course 3	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)				End Term
7	MCA207	Open Course 4	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)				End Term
8	MCA208	Computer Laboratory	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Lab Internal Exam and Viva (30)				End Term
9	MCA209	Mini Project	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Project Pre-submission Presentation / Demo and Viva (30)				End Term
10	MCA210	Soft Skills – II	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)				End Term
		Total			24	270		580		850					

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
MCA SEMESTER-III
GENERIC CORE COURSES

Sr. No.	Course Code	Course Title	Course Nature	Teaching Hours	Credit	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	MCA301	Cloud and Mobile Application Development	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
2	MCA302	Data Warehousing and Data Mining	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
3	MCA303	Software Product and Project Management	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
4	MCA304	Knowledge Representation & Artificial Intelligence - ML, DL	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
5	MCA305	Data Science & Business Analytics	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
6	MCA306	Open Course 5	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)				End Term
7	MCA307	Open Course 6	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)				End Term
8	MCA308	Computer Laboratory	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Lab Internal Exam and Viva (30)				End Term
9	MCA309	Mini Project	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100	Project Pre-submission Presentation / Demo and Viva (30)				End Term
10	MCA310	Soft Skills – III	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)				End Term
		Total			24	270		580		850					

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
MCA SEMESTER-IV
GENERIC CORE COURSES

Sr. No.	Course Code	Course Title	Course Nature	Teaching Hours	Credit	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	MCA401	Introduction to Constitution and human Rights	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
2	MCA402	Basics of 'R' Programming	Generic Core	45	3	30	40% (Individual Passing)	70	40% (Individual Passing)	100			Mid Term Exam		End Term
3	MCA403	Open Course 7	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)				End Term
4	MCA404	Open Course 8	Generic Core	15	1	20	40% (Individual Passing)	30	40% (Individual Passing)	50	Mid Term Exam (10)+ CCE (10)				End Term
5	MCA405	Project/Institutional or Industrial Internship	Generic Core	NA	16	170	40% (Individual Passing)	380	40% (Individual Passing)	550	Project Pre-submission Presentation / Demo and Viva (170)				End Term
		Total			24	270		580		850					

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