

BCA 2017 -20

SEM 1

Code	Subject	L	T	P	Credits
3C.101	Computer Fundamentals	3	0	0	3
3C.102	Fundamentals of Computer Programming	3	0	0	3
3C.131	Principles of Management	4	0	0	4
3C.104	Software Constructs and Tools	4	0	0	4
3C.103	Mathematical Foundation for Computer Science	4	0	0	4
40B.101	Life Skills 1	2	0	0	2
Practical/ Sessional					
3CP.101	MS-Office	0	0	2	1
3CP.102	C Programming Lab	0	0	2	1
					22

SEM 2

Code	Subject	L	T	P	Credits
3C.153	Data Structure and Algorithms	3	0	0	3
3C.154	Operating Systems	4	0	0	4
3C.155	VB.Net	3	0	0	3
3C.152	Computer Architecture	4	0	0	4
3C.182	Discrete Mathematics**	4	0	0	4
40B.151	Life Skills 2	2	0	0	2
Practical/ Sessional					
3CP.153	Data Structure Lab	0	0	2	1
3CP.155	Visual Programming Lab	0	0	2	1
					22

SEM3

Code	Subject	L	T	P	Credits
3C.201	Object Oriented Programming with C++	3	0	0	3
3C.202	Database Management Systems	3	0	0	3
3C.203	Software Engineering Techniques	4	0	0	4
3C.221	E-Commerce	4	0	0	4
14B.201	Disaster Management**	3	0	0	0
40B.201	Communication and Soft Skills	2	0	0	2
Practical/ Sessional					
3CP.202	Database Management Systems Lab			2	1
3CP.201	Object Oriented Programming with C++ Lab			2	1
					18

SEM 4

Code	Subject	L	T	P	Credits
3C.273	Computer Graphics	3	0	0	3
3C.271	Data Communication	4	0	0	4
3C.251	Unix and Shell Programming	3	0	0	3
3C.272	Numerical Analysis and Statistical Methods	4	0	0	4
40B.251	Professional skills	2	0	0	2
Practical/ Sessional					
3CP.273	Computer Graphics Lab				1
3CP.251	Unix and Shell Programming Lab				1
					18

SEM 5					
Code	Subject	L	T	P	Credits
3C.301	Programming in Java	3	0	0	3
3C.321	Data Mining and Warehousing	4	0	0	4
3C.322	Internet and Website Management	4	0	0	4
3C.323	Cloud Computing	4	0	0	4
3C.324	Soft Computing	4	0	0	4
40B.401	Seminar in Executive Communication**	2	0	0	0
	Practical/ Sessional				
3CP.301	Programming in Java Lab			2	1
					20

SEM 6					
3C.351	Technique of Artificial Intelligence	4	0	0	4
9.152	Environmental Studies	4	0	0	4
40B.451	Human Values & Ethics**	2	0	0	0
	Open Elective	4	0	0	4
	Practical/ Sessional				
3C.395	Project	0	0	0	8
					20

Total Credits					120
	Semester 1				22
	Semester 2				22
	Semester 3				18
	Semester 4				18
	Semester 5				20
	Semester 6				20

5th Semester

Departmental Electives					
3C.322	Internet and Website Management	4	0	0	4
3.421	Cryptography and Network Security	4	0	0	4
6.304	Digital Signal Processing	4	0	0	4
6.255	Digital Electronics	4	0	0	4

6th Semester

Open Elective					
11.202	Research Methodology	4	0	0	4
11.301	Project Management	4	0	0	4
6.304	Digital Signal Processing	3	0	1	4
11.254	Business Ethics	3	0	1	4

**** Denotes Qualifying Non Credit Course**

MOOCS introduced through SWAYAM in all Semesters