



GALGOTIAS UNIVERSITY UTTAR PRADESH

School of Computing Science & Engineering

B.C.A. 2018-19

Semester Wise Breakup of Courses

SEMESTER-I									
S. No.	Course Code	Course Title	L	T	P	C	Prerequisite/ Exposure	Remarks	
1	XXX101	Foreign Languages	2	0	0	2			
2	LLL115	Basic English	0	0	4	2			
3	BCA110	Discrete Mathematics	3	1	0	4			
4	BCA111	Digital Computer Fundamentals	3	0	0	3			
5	BCA115	Introduction to Information Technology	3	0	0	3			
6	BCA116	CLA: Programming Essentials in C	3	0	0	3			
PRACTICAL									
7	BCA 147	Programming Essentials in C Lab	0	0	2	1			
8	BCA 148	Information Technology Lab	0	0	2	1			
Credit :								19	
SEMESTER-II									
S. No.	Course Code	Course Title	L	T	P	C	Prerequisite/ Exposure	Remarks	
1	EVS 101	Environment Studies	2	1	0	3			
2	LLL125	Professional Communication	0	0	4	2			
3	BCA 109	Principle of Management	3	0	0	3			
4	BCA 123	Data Structures	3	0	0	3			
5	BCA124	Web Designing	3	0	0	3			
6	BCA 121	Object Oriented Programming With C++	3	0	0	3			
PRACTICAL									
7	BCA 153	Data Structures Lab	0	0	2	1			
8	BCA 154	Web Designing Lab	0	0	2	1			
9	BCA 151	OOPS With C++ Lab	0	0	2	1			
Credit :								20	
SEMESTER-III									
S. No.	Course Code	Course Title	L	T	P	C	Prerequisite/ Exposure	Remarks	
1	BCA215	Computer Based Numerical Techniques	3	1	0	4			
2	BCA214	Principles of Accounting	3	0	0	3			
3	BCA 212	Database Management System	3	0	0	3			
4	BCA 213	JAVA Programming	3	0	0	3			
5	BCA 216	Computer Architecture	3	0	0	3			
6	LLL235	Aptitude Building	0	0	4	2			
7	BCA 211	Introduction to Algorithm Analysis and Design	3	0	0	3			
PRACTICAL									
8	BCA 241	Introduction to Algorithm Analysis and Design Lab	0	0	2	1			
9	BCA242	DBMS LAB	0	0	2	1			
10	BCA 243	Java Programming Lab	0	0	2	1			
Credit :								24	

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SEMESTER-IV								
S. No.	Course Code	Course Title	L	T	P	C	Prerequisite/ Exposure	Remarks
1	LLL245	Campus-to-Corporate	0	0	4	2		
2	BCA 221	Operating System	3	0	0	3		
3	BCA 222	.Net technology	3	0	0	3		
4	BCA 223	Computer Networking	3	0	0	3		
5	BCA 224	Software Engineering	3	0	0	3		
6	BCA 225	Graph Theory	3	0	0	3		
7	BCA 27X	Elective-I	3	0	0	3		
PRACTICAL								
8	BCA 251	Operating System Lab	0	0	2	1		
9	BCA 252	.Net technology Lab	0	0	2	1		
10	BCA 253	Computer Networking Lab	0	0	2	1		
11	BCA 254	Software Engineering Lab	0	0	2	1		
12	BCA 25X	Elective-I Lab	0	0	2	1		

Credit :

25

SEMESTER-V								
S. No.	Course Code	Course Title	L	T	P	C	Prerequisite/ Exposure	Remarks
1	BCA 311	Management Information System	3	0	0	3		
2	BCA 312	Computer Graphics	3	0	0	3		
3	BCA 316	Software Project Management	3	0	0	3		
4	BCA 36X	Elective-II	3	0	0	3		
6	BCA 314	Mobile Application Development	3	0	0	3		
PRACTICAL								
7	BCA 342	Computer Graphics Lab	0	0	2	1		
8	BCA 34X	Elective-II Lab	0	0	2	1		
10	BCA 344	Mobile Application Development Lab	0	0	2	1		

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11	BCA 341	Project-I	0	0	0	5		
Credit :							23	
SEMESTER-VI								
S. No.	Course Code	Course Title	L	T	P	C	Prerequisite/ Exposure	Remarks
1	BCA 351	Project Work-2	0	0	0	15		
Credit :							15	

Total	126
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Elective-I(Any one)			L	T	P	C
1	BCA 277	Linux Administration	3	0	0	3
2	BCA 276	Advance DBMS	3	0	0	3
3	BCA278	PCA: Programming Essentials in Python	3	0	0	3
4	BCA256	Advance DBMS Lab	0	0	2	1
5	BCA257	Linux Administration Lab	0	0	2	1
6	BCA 258	Python programming language Lab	0	0	2	1
7	BCA-279	E-Commerce	3	0	0	3
		Routing and Switching Essentials				
Elective -II (Any Two)			L	T	P	C
7	BCA 363	Multimedia System	3	0	0	3
8	BCA 343	Multimedia System Lab	0	0	2	1
11	BCA 366	Network Security	3	0	0	3
12	BCA 346	Network Security Lab	0	0	2	1
13	BCA367	Linux Administration	3	0	0	3
14	BCA347	Linux Administration Lab	0	0	2	1
15	BCA 362	Ad. Computer Network	3	0	0	3
16	BCA 361	Connecting Networks	3	0	0	3

Total =	30
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