

SEMESTER-WISE COURSE STRUCTURE FOR BCA**(To be effective from July 2018)****SEMESTER I**

Course Number	Course Title	Credits	Hours / Week			IA Marks	EoTE Marks
			L	T	P		
101	Fundamentals of Information Technology	4	3	1	-	40	60
102	Algorithm and program Design	4	3	1	-	40	60
103	C Programming – I	4	3	1	-	40	60
104	Business organization system	4	3	1	-	40	60
105	Business Mathematics	4	3	1	-	40	60
106	Lab on MS-Office Suite	2	-	-	4	40	60
107	Lab on C Programming – I	2	-	-	4	40	60
108	General course-I: Community Work I / Career & Life Skills / Waste Management	1	2	-	-	50	0
Total		25	17	5	8	330	420

SEMESTER II

Course Number	Course Title	Credits	Hours / Week			IA Marks	EoTE Marks
			L	T	P		
201	Computer Organization and Architecture	4	3	1	-	40	60
202	DBMS I	4	3	1	-	40	60
203	C Programming - II	4	3	1	-	40	60
204	Financial Accounting	4	3	1	-	40	60
205	Principles of Management	4	3	1	-	40	60
206	Lab on C Programming - II	2	-	-	4	40	60
207	Environmental Studies	2	2	-	-	40	60
208	General Course II : Community Work II (Swacchh Bharat Abhiyan) / Sectoral Analysis / Smart Cities	1	2	-	-	50	0
Total		25	19	5	4	330	420

SEMESTER III

Course Number	Course Title	Credits	Hours / Week			IA Marks	EoTE Marks
			L	T	P		
301	Operating Systems	4	3	1		40	60
302	Software Engineering	4	3	1		40	60
303	DBMS II	4	3	1		40	60
304	Statistics	4	3	1		40	60
305	Multimedia Technology	4	3	1		40	60
306	Lab on Oracle and Multimedia	2	-	-	4	40	60
307	Lab on Linux Operating System	2	-	-	4	40	60
308	General Course III : Community Work III / Start up management / Agro Tourism	1	2	-	-	50	0
Total		25	17	5	8	330	420

SEMESTER IV

Course Number	Course Title	Credits	Hours / Week			IA Marks	EoTE Marks
			L	T	P		
401	Computer Networks	4	3	1	-	40	60
402	Software Testing	4	3	1	-	40	60
403	Java Programming	4	3	1	-	40	60
404	Operations Research	4	3	1	-	40	60
405	Entrepreneurship Development	4	3	1	-	40	60
406	Lab on Java	2	-	-	4	40	60
407	Minor Project - I	2	2	-	-	0	100
408	General Course IV: Community work IV / Basics of Taxation / Meditation & Yoga	1	2	-	-	50	0
Total		25	19	5	4	290	460

SEMESTER V

Course Number	Course Title	Credits	Hours / Week			IA Marks	EoTE Marks
			L	T	P		
501	Introduction to the Internet Technologies	4	3	1	-	40	60
502	Object Oriented Analysis and Design	4	3	1	-	40	60
503	C# Programming	4	3	1	-	40	60
504	Graph Theory	4	3	1	-	40	60
505	Elective I	4	3	1	-	40	60
506	Lab on Internet Technology and C# Programming	2	-	-	4	40	60
507	Minor Project II	2	2	-	-	0	100
508	General Course V: Social Media Management / Road Safety and Management / Event Management	1	2	-	-	50	0
Total		25	19	5	4	290	460

SEMESTER VI

Course Number	Course Title	Credits	Hours / Week			IA Marks	EoTE Marks
			L	T	P		
601	Data warehousing and Data Mining	4	3	1		40	60
602	Web Programming	4	3	1		40	60
603	Software project Management	4	3	1		40	60
604	Business Analytics	4	3	1		40	60
605	Elective II	4	3	1		40	60
606	Lab on Web programming	2	-	-	4	40	60
607	Major Project	2	2	-	-	0	100
608	General Course VI: Business Ethics / Basics of Hospitality Management / Aptitude	1	2	-	-	50	0
Total		25	19	5	4	290	460

Electives:

Elective No.	Elective Group	Course No	Course Name
01	Information Security	505-1-A	Information Security Concepts
		605-1-B	Information Security Administration
02	Big Data	505-2-A	Introduction to Big Data
		605-2-B	HADOOP
03	Information Systems	505-3-A	E-Commerce
		605-3-B	Knowledge Management

Practical Examinations:

For courses Nos. 106,107, 206, 306, 307,406, 506 and 606 there will be practical examination.