



Integral University, Lucknow
Department of Computer Application
Study and Evaluation Scheme

Program: BCA

Semester V

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes						
				L	T	P	CT	TA	Total	ESE				Employ ability	Entrepre neurship	Skill Develop ment	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics
THEORIES																				
1.	CA301	Computer Graphics and Multimedia Application	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√				
2.	CA302	UNIX and Shell Programming	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√				
3.	CA303	Data Communication and Computer Networks	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√				
4.	CA304	Web Designing Concepts	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√				
ELECTIVE																				
1.	CA305	Optimization Technique	ELECTIVE-IV	3	1	0	40	20	60	40	100	3:1:0	4	√		√				
2.	CA306	Simulation and Modeling												√		√				
3.	CA307	Image Processing												√	√	√				
4.	CA308	Elementary Algorithm												√		√				
5.	CA309	Knowledge Management												√	√	√				
PRACTICAL																				
1.	CA310	UNIX and Shell Programming Lab	Core	0	0	3	40	20	60	40	100	0:0:2	2	√	√	√				
2.	CA311	Web Designing Lab	Core	0	0	3	40	20	60	40	100	0:0:2	2	√	√	√				
3.	CA312	Computer Graphics and Multimedia Application Lab	Core	0	0	2	40	20	60	40	100	0:0:1	1	√	√	√				
Total				15	5	8	320	160	480	320	800	15:5:5	25							