



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						Sustainable Development Goals
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	
THEORIES																				
1.	CA301	Computer Graphics and Multimedia Application	Core	3	1	0	25	15	40	60	100	3:1:0	4	√	√	√				4,9,13
2.	CA302	UNIX and Shell Programming	Core	3	1	0	25	15	40	60	100	3:1:0	4	√	√	√				4,9,5
3.	CA303	Data Communication and Computer Networks	Core	3	1	0	25	15	40	60	100	3:1:0	4	√	√	√				4,9,12
4.	CA304	Web Designing Concepts	Core	3	1	0	25	15	40	60	100	3:1:0	4	√	√	√				4,9,17
ELECTIVE																				
1.	CA305	Optimization Technique	ELECTIVE-IV	3	1	0	25	15	40	60	100	3:1:0	4	√		√				4,9
2.	CA306	Simulation and Modeling												√		√				4,9,17
3.	CA307	Image Processing												√	√	√				4,9
4.	CA308	Algorithm Analysis and Design												√		√				4,9,17
5.	CA309	Knowledge Management												√	√	√				4,9
PRACTICAL																				
	CA310	UNIX and Shell Programming Lab	Core	0	0	3	30	30	60	40	100	0:0:2	2	√	√	√				4,9
	CA311	Web Designing Lab	Core	0	0	3	30	30	60	40	100	0:0:2	2	√	√	√				4,9
	CA312	Computer Graphics and Multimedia Application Lab	Core	0	0	2	30	30	60	40	100	0:0:1	1	√	√	√				4,9
Total				15	5	8	215	165	380	420	800	15:5:5	25							