



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

Program: BCA

Semester IV

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				Employ ability	Entrepre neurship	Skill Develop ment	Gender Equality	Environment & Sustainability	Human Value	
THEORIES																				
1.	CA212	Computer Architecture and Microprocessor	Core	3	1	0	25	15	40	60	100	3:1:0	4	√		√			4,9,17	
2.	CA213	Operating System	Core	3	1	0	25	15	40	60	100	3:1:0	4	√	√	√			4,9,12	
3.	CA214	JAVA Programming	Core	3	1	0	25	15	40	60	100	3:1:0	4	√	√	√			4,9,10	
ELECTIVE																				
1.	CA208	Discrete Mathematics	ELECTIVE-II	3	1	0	25	15	40	60	100	3:1:0	4	√		√			4,9,13	
2.	CA209	Data Compression		√		√				4,9										
3.	CA210	Software Engineering and Project Management	ELECTIVE-III	3	1	0	25	15	40	60	100	3:1:0	4	√	√	√			4,9,6	
4.	CA211	Software Security		√		√				4,9,16										
PRACTICAL																				
1.	CA215	Microprocessor Lab	Core	0	0	3	30	30	60	40	100	0:0:2	2	√		√			4,9	
2.	CA216	JAVA Programming Lab	Core	0	0	3	30	30	60	40	100	0:0:2	2	√	√	√			4,9	
3.	CA217	Seminar	Foundation	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							