

AL- ANSAR REGIONAL POLYTECHNIC COLLEGE, ALLAHABAD

Course Structure Bachelor of Computer Application (BCA)

Eligibility: +2/Equivalent/3 year Polytechnic Diploma

Sub. Code	Subject	Credits	Sub. Code	Subject	Credits
1st Semester			2nd Semester		
BCA-01	Computer Fundamentals and Windows Based Application	3	BCA-05	Computer Organisation and Architecture	3
BCA-02	Communication Skills in English	4	BCA-06	Mathematics	4
BCA-03	Programming C	3	BCA-07	DBMS	3
BCA-04	Data Structure	3	BCA-08	OOPS with C++	3
BCA-P1	C Programming Lab	2	BCA-P3	C++ Lab	2
BCA-P2	Windows based Application Lab	2	BCA-P4	Data Structure Lab	2
3rd Semester			4th Semester		
BCA-09	Data Communication	3	BCA-13	Software Engineering	3
BCA-10	Operating System	4	BCA-14	Java Programming	4
BCA-11	Computer graphics	3	BCA-15	RDBMS	3
BCA-12	Client Server Architecture	3	BCA-16	Unix and Shell Programming	3
BCA-P5	Graphics Lab	2	BCA-P7	Java Lab	2
BCA-P6	DBMS Lab	2	BCA-P8	Unix Lab	2
5th Semester			6th Semester		
BCA-17	Algorithm and Analysis	3	BCA-21	MIS and Enterprise Resource Planning	3
BCA-18	Internet Programming	3	BCA-22	Computer Network Security	3
BCA-19	Application Programming	3	BCA-23	ADA Lab	3
BCA-20	System Programming	3	BCA-P11	System Programming Lab	2
BCA-P9	Web Designing /Internet Lab	2	BCA-P12	Project	3
BCA-P10	Application Programming Lab	2		Viva Voice	2
			Grand Credits		100