

Course Structure

Bachelor of Computer Applications (BCA) New Course

(Applicable from the 2010 admitted batch)

First Semester:

Paper No.	Subject	Maximum Marks	
		End semester	In semester
Paper 1.1	Fundamental of Computers	75	25
Paper 1.2	Mathematics - I	75	25
Paper 1.3	Communicative English	75	25
Paper 1.4	Digital Design	75	25
Paper 1.5	Personality Development	75	25
Paper 1.6	Laboratory (Computer Fundamentals, Programming in C)	75	25

Second Semester:

Paper No.	Subject	Maximum Marks	
		End semester	In semester
Paper 2.1	Mathematics - II	75	25
Paper 2.2	Discrete Structure	75	25
Paper 2.3	Data Structure	75	25
Paper 2.4	Accounting and Financial Management	75	25
Paper 2.5	Computer Architecture and Organization	75	25
Paper 2.6	Laboratory (Data Structure Using C / C++, Tally)	75	25

Third Semester:

Paper No.	Subject	Maximum Marks	
		End semester	In semester
Paper 3.1	Mathematics - III	75	25
Paper 3.2	Theory of Computing	75	25
Paper 3.3	Internet and Web Programming	75	25
Paper 3.4	Computer Graphics	75	25
Paper 3.5	Object Oriented Programming With JAVA	75	25
Paper 3.6	Laboratory (Internet, Computer Graphics, JAVA)	75	25

Fourth Semester:

Paper No.	Subject	Maximum Marks	
		End semester	In semester
Paper 4.1	Numerical Analysis & Scientific Computing	75	25
Paper 4.2	Database Management System	75	25
Paper 4.3	Operating System	75	25
Paper 4.4	System Software	75	25
Paper 4.5	Environmental Studies	75	25
Paper 4.6	Laboratory (DBMS, Operating System, System Software)	75	25

Fifth Semester:

Paper No.	Subject	Maximum Marks	
		End semester	In semester
Paper 5.1	Data Communication & Computer Networks	75	25
Paper 5.2	Operation Research	75	25
Paper 5.3	Software Engineering	75	25
Paper 5.4	Minor Project	200	
Paper 5.5	Laboratory (Networking & Software Engineering)	75	25

Sixth Semester:

Paper No.	Subject	Maximum Marks	
Paper 6.1	Major Project	300	