

**DIRECTORATE OF DISTANCE AND CONTINUING EDUCATION
SAMBALPUR UNIVERSITY**

STRUCTURE SYLLABUS – ACADEMIC SESSION (2006-2007)

BACHELOR OF COMPUTER APPLICATION (BCA)

Paper	1st Year	Internal Assessment	Term End Exam	Total Marks
I	Computer Fundamentals and Operating System (a) Computer Fundamentals (b) Operating systems 1. MS DOS 2. MS Windows	20	80	100
II	Office Automation 1. Ms - Word 2. Ms - Excel 3. Ms - Power Point	20	80	100
III	Programming Logic & Technique	20	80	100
IV	Business Data Processing 1. Introduction to Data Processing 2. Business Accounting 3. Ms-Access	20	80	100
V	Programming with 'C'	20	80	100
VI	Communicative English	20	80	100
VII	Mathematics – I (Computer Based Mathematics and Statistics)	20	80	100
VIII	Lab-I 1. MS DOS 2. Windows			100
IX	Lab- II 1. MS Word 2. MS Excel 3. MS Power Point			100
X	Lab –III 1. MS Access 2. 'C' Programming			100
		1st Year Total		1000
Paper	2nd Year			
I	Data Structure Through "C"	20	80	100
II	Computer Organization & Architecture	20	80	100
III	Object Oriented Programming with C++	20	80	100
IV	Web - Technology – I (HTML, DHTML, Java Script)	20	80	100
V	Data Base Management System	20	80	100
VI	Structured System Analysis & Design (SSAD)	20	80	100
VII	Lab I Data Structure through "C"			100
VIII	Lab -II OOPS with C++			100
IX	Lab – III Web Technology – 1			100
X	Project & Viva –voce			100
		2nd Year Total		1000
Paper	3rd Year			
I	Front End Technology using Visual Basic	20	80	100
II	Mathematics - II (Computer Based Numerical and Optimization Technique).	20	80	100
III	RDBMS using Oracle	20	80	100
IV	Web Technology - II (Core Java)	20	80	100
V	Computer Communication and Networking	20	80	100
VI	Management Information System (MIS)	20	80	100
VII	Lab- I Visual Basic			100
VIII	Lab – II Oracle			100
IX	Lab -III Web-Technology-II			100
X	Software Project & Viva -voce			100
		3rd Year Total		1000
	Grand Total (1st Year + 2nd Year + 3rd Year)			3000