

Course Structure of B.C.A. (Bachelor in Computer Applications) Semester System

SEMESTER :- I

Paper Code	Paper Title	Internal Marks	External Marks	Total
BCA-101	Mathematical Foundation	20	80	100
BCA-102	Computer Fundamentals	20	80	100
BCA-103	Business Communication & Information System	20	80	100
BCA-104	C Programming	20	80	100
BCA-105	Lab on DOS & Windows	20	80	100
BCA-106	Lab on C	20	80	100
TOTAL MARKS		120	480	600

SEMESTER :- II

Paper Code	Paper Title	Internal Marks	External Marks	Total
BCA-201	Discrete Mathematics	20	80	100
BCA-202	Computer Architecture	20	80	100
BCA-203	Data Structure through C	20	80	100
BCA-204	System Analysis and Design	20	80	100
BCA-205	Lab on MS-Office	20	80	100
BCA-206	Lab on Data Structure through C	20	80	100
TOTAL MARKS		120	480	600

SEMESTER :- III

Paper Code	Paper Title	Internal Marks	External Marks	Total
BCA-301	Fundamentals of Management & Business Accounting	20	80	100
BCA-302	Database Management System	20	80	100
BCA-303	Object Oriented Programming using C ++	20	80	100
BCA-304	Numerical Methodology	20	80	100
BCA-305	Lab on DBMS (SQL/ MS-ACCESS)	20	80	100
BCA-306	Lab on C ++	20	80	100
TOTAL MARKS		120	480	600

SEMESTER : - IV

Paper Code	Paper Title	Internal Marks	External Marks	Total
BCA-401	Java Programming	20	80	100
BCA-402	Computer Graphics & Multimedia	20	80	100
BCA-403	Operating System & Linux	20	80	100
BCA-404	Software Engineering Principles	20	80	100
BCA-405	Lab on Java Programming	20	80	100
BCA-406	Lab on Computer Graphics & Linux	20	80	100
TOTAL MARKS		120	480	600

SEMESTER : - V

Paper Code	Paper Title	Internal Marks	External Marks	Total
BCA-501	Relational Database Management System	20	80	100
BCA-502	Artificial Intelligence through Python Programming	20	80	100
BCA-503	Web Technology (HTML, Java Script, CSS)	20	80	100
BCA-504	Computer Network, Security and Cyber Law	20	80	100
BCA-505	Lab on Oracle	20	80	100
BCA-506	Lab on Python Programming & Web Technology	20	80	100
TOTAL MARKS		120	480	600

SEMESTER : - VI

BCA-601. Project Report

100 marks

BCA-602. Seminar Presentation

50 marks

BCA-603. Viva-Voce

50 marks (Based on Project Report)

TOTAL MARKS = 3200

Pattern of Question Paper :

There will be ten long answer type questions out of which students will have to answer 5 questions. Each question will carry equal marks.

Duration of Exam :

3 Hours for each Theory and Practical Paper.