CHAUDHARY CHARAN SINGH UNIVERSITY, MEERUT

# THREE YEARS BACHELOR OF COMPUTER APPLICATION PROGRAMME

**COURSE CONTENT (w.e.f. August 2011)**

# SEMESTER I

**COURSE CODE**

BCA-101 BCA-102 BCA-103 BCA-104 BCA-105 BCA-106P BCA-107P

# QUALIFYING PAPER

008

# COURSE NAME

Mathematics –I (MATHS)

Programming Principle & Algorithm (PPA)

Computer Fundamental & Office Automation (CFOA) Principle of Management (POM)

Business Communication (BC)

Computer Laboratory and Practical Work of Office Automation Computer Laboratory & Practical Work of C Programming

Environmental Studies (EVS)

# SEMESTER II

**COURSE CODE**

BCA-201 BCA-202 BCA-203 BCA-204 BCA-205 BCA-206P

# COURSE NAME

Mathematics II (MATHS) C Programming (C Prog)

Organization Behavior (OB)

Digital Electronics & Computer Organization (DECO) Financial Accounting & Management (FAM)

Computer Laboratory and Practical Work of C Programming

# SEMESTER III

**COURSE CODE**

BCA-301 BCA-302 BCA-303 BCA-304 BCA-305 BCA-306P BCA-307P

# COURSE NAME

Object Oriented Programming Using C++ (C++) Data Structure Using C & C++ (DSC)

Computer Architecture & Assembly Language (CAAL) Business Economics (BE)

Elements of Statistics (EL)

Computer Laboratory and Practical Work of OOPS Computer Laboratory and Practical Work of DS

# SEMESTER IV

**COURSE CODE**

BCA-401 BCA-402 BCA-403 BCA-404 BCA-406 BCA-405

# COURSE NAME

Computer Graphics & Multimedia Application (CGMA) Operating System (OS)

Software Engineering (SE) Optimization Techniques (OT) Mathematics-III (MATHS)

Computer Laboratory and Practical Work of CGMA

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| **SEMESTER V**  **COURSE CODE** | **COURSE NAME** |
| BCA-501 | Introduction to DBMS |
| BCA-502 | Java Programming and Dynamic Webpage Design |
| BCA-503 | Computer Network |
| BCA-504 | Numerical Methods |
| BCA-505P | Minor Project |
| BCA-506P | Viva-Voice on Summer Training |
| BCA-507P | Computer Laboratory and Practical Work of DBMS |
| BCA-508P | Computer Laboratory and Practical Work of Java Programming &  Dynamic Webpage Design |
| **SEMESTER VI** |  |
| **COURSE CODE** | **COURSE NAME** |
| BCA-601 | Computer Network Security |
| BCA-602 | Information System: Analysis Design & Implementation |
| BCA-603 | E-Commerce |
| BCA-604 | Knowledge Management |
| BCA-605P | Major Project |
| BCA-506P | Presentation/Seminar based on Major Project |