

Professional Course**Bachelor of Computer Application (B.C.A.)**

Papers	B.C.A. Part-I Subject	B.C.A. Part-II Subject	B.C.A. Part-III Subject
I	Electrical Circuit And Circuit Analysis(111)	Financial and Marketing Management (211)	Computer Graphics and Image Processing(311)
II	Semi Conductor Physics Electronics Devices And Circuits(112)	Digital Electronics and Circuits(212)	Software Engineering (312)
III	Business Accounting Fundamentals (113)	Mathematical methods for Numerical Analysis and Optimization (213)	Simulation and Modeling (313)
IV	Discrete Mathematics (114)	Database Management System(214)	Advanced Computer Architecture(314)
V	Statistical Methods (115)	Object Oriented Programming (215)	Management Information Systems (315)
VI	Computer Architecture (116)	Networking Technologies TCP/IP (216)	Network Security and Cryptology (316)
VII	Operating System Fundamentals (117)	System Analysis and Design (217)	E-Banking and Security Transactions (317)
VIII	Algorithms and Data Structures (118)	Internet and Intranet (218)	Internet Application Development (318)
IX	Principles of Programming Languages (119)	Electronic Communication and Data Communication (219)	E-Commerce (319)
X	Electricity and Electronics Laboratory Course (121)	Visual Basic, Visual C and Visual FoxPro Programming (Laboratory) (221)	Oracle/Autocad 2000 (Laboratory) (321)
XI	Programming Laboratory Course in C and C++ (122)	Web authoring Tools Java and Perl Programming (Laboratory) (222)	Web Site Development & Web Client Programming (Laboratory) (322)
XII	Laboratory Course in Microcomputer(123)	Digital Electronics Lab (Laboratory) (223)	Computer Architecture and Networking Lab. (Laboratory) (223)