

## Scheme of Examination

### BCA (REGULAR) (Semester Scheme)

Paper Code	Title of Paper	Period Per Week	Max. Marks	Internal Assessment	Exam Duration Hours.
------------	----------------	--------------------	---------------	------------------------	----------------------------

#### **FIRST SEMESTER**

BCA-101	Computer Fundamentals and Programming	4	80	20	3
BCA-102	Mathematics-I	4	80	20	3
BCA-103	Mathematics-II	4	80	20	3
BCA-104	Business Practices	4	80	20	3
BCA-105	Practical	8	80	20	6

Software Lab Per week (Two sitting)  
(Based on BCA Paper 101 and software tools)

#### **SECOND SEMESTER**

BCA-106	Data and File Structure	4	80	20	3
BCA-107	Structured Systems Analysis	4	80	20	3
BCA-108	Mathematical Foundations of Computer Science	4	80	20	3
BCA-109	Digital Electronics	4	80	20	3
BCA-110	Practical	8	80	20	6

Software Lab Per week (Two sitting)  
(Based on BCA Paper 106 and software tools)

#### **THIRD SEMESTER**

BCA-201	Computer System Architecture	4	80	20	3
BCA-202	Algorithms & Advanced Data Structure	4	80	20	3
BCA-203	Micro-Processors & Assembly Language	4	80	20	3
BCA-204	Data Base Systems	4	80	20	3
BCA-205	Practical	8	80	20	6

Software Lab Per week (Two sitting)  
(based on paper BCA-202 and BCA-204)

### **FOURTH SEMESTER**

BCA-206	Operating Systems Organization and UNIX	4	80	20	3
BCA-207	Software Engineering	4	80	20	3
BCA-208	Object Oriented Design and Programming	4	80	20	3
BCA-209	Financial Accounting	4	80	20	3
BCA-210	Practical	8	80	20	6

Software Lab Per week (two sitting)  
(Based on Paper BCA- 206 & 207)

### **FIFTH SEMESTER**

BCA-301	Data Communication and Networks	4	80	20	3
BCA-302	Computer Graphics	4	80	20	3
BCA-303	Principles of Visual and Windows Programming	4	80	20	3
BCA-304	Java Programming & Internet Applications	4	80	20	3
BCA-305	Practical	8	80	20	6

Software Lab Per week (two sitting)  
(based on paper BCA-301, 302, 303 & 304)

### **SIXTH SEMESTER**

BCA-306	Network & Internet Technologies and Applications	4	80	20	3
BCA-307	Scientific and Statistical Computing.	4	80	20	3
BCA-308	Multimedia Information Systems	4	80	20	3
BCA-309	Management Information System	4	80	20	3
BCA-310	Practical	8	80	20	6

Software Lab Per week (two sitting)  
(based on paper BCA-306, 307 & 308)