

**SYLLABUS FOR THREE YEAR (SIX SEMESTERS)  
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY  
UNDER DIBRUGAR UNIVERSITY**

**FIRST SEMESTER**

**Total Marks: 800**

- Paper 1.1      **COMPUTER PROGRAMMING AND PROBLEM SOLVING**  
(Theory 100 & Practical 100)
- Paper 1.2      **BASIC ELECTRONICS**  
(Theory 100 & Practical 100)
- Paper 1.3      **MATHEMATICS-I**  
(Theory 100)
- Paper 1.4      **HUMANITIES-I**  
(Theory 100)
- Paper 1.5      **FOUNDATION OF IT**  
(Theory 100)
- Paper 1.6      **ENVIRONMENTAL STUDIES**  
(Theory 100)

**SECOND SEMESTER**

**Total Marks: 900**

- Paper 2.1      **DATA STRUCTURES**  
(Theory 100 & Practical 100)
- Paper 2.2      **MATHEMATICS-II**  
(Theory 100)
- Paper 2.3      **THEORITICAL FOUNDATION OF COMPUTER SCIENCE**  
(Theory 100)
- Paper 2.4      **DIGITAL CIRCUITS AND LOGIC DESIGN**  
(Theory 100 & Practical 100)
- Paper 2.5      **DIGITAL COMMUNICATION**  
(Theory 100 & Practical 100)
- Paper 2.6      **HUMANITIES-II**  
(Theory 100)

**THIRD SEMESTER**

**Total Marks: 800**

- Paper 3.1      **COMPUTER ORGANISATION**  
(Theory 100)
- Paper 3.2      **SYSTEM PROGRAMING**  
(Theory 100 & Practical 100)
- Paper 3.3      **COMPUTER NETWORK**  
(Theory 100 & Practical 100)
- Paper 3.4      **OBJECT ORIENTED PROGRAMMING AND DESIGN**  
(Theory 100 & Practical 100)
- Paper 3.5      **MATHEMATICS-III**  
(Theory 100)

**FOURTH SEMESTER**

**Total Marks: 900**

- Paper 4.1      **DATABASE MANAGEMENT SYSTEM**  
(Theory 100 & Practical 100)
- Paper 4.2      **OPERATING SYSTEM**  
(Theory 100)
- Paper 4.3      **FINANCIAL MANAGEMENT AND ACCOUNTING**  
(Theory 100)
- Paper 4.4      **SOFTWARE ENGINEERING**  
(Theory 100)
- Paper 4.5      **COMPUTER GRAPHICS**  
(Theory 100 & Practical 100)
- Paper 4.6      **MINOR PROJECT**  
(Marks 200)

**FIFTH SEMESTER**

- Paper 5.1      **WEB TECHNOLOGY**
- Paper 5.2      **EMBEDDED DESIGN**

**Paper 5.3**      **MULTIMEDIA SYSTEM**  
**Paper 5.4**      **ARTIFICIAL INTELLIGENCE**  
**Paper 5.5**      **ELECTIVES-I**  
**Paper 5.6**      **ELECTIVES-II**  
**ELECTIVES**

**NETWORK SECURITY**  
**SOFTWARE QUALITY MANAGEMENT**  
**DATA WAREHOUSING**

**SIXTH SEMESTER**

**PAPER-6.1 MAJOR PROJECT**

**Major Project**

**Total Marks: 700**

**Project:**

**Marks: 500**

Project work based on suitable topic chosen in consultant with the teacher concerned.

**Seminar:**

**Marks: 100**

Every student must deliver seminar talk on his/her project area.

**Viva-voce:**

**Marks: 100**

Based on all the Theoretical and Practical subjects.

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