

SYLLABUS 2024-2025

Class : XI
Subject : COMPUTER SCIENCE
Book : UNDERSTANDING COMPUTER SCIENCE
Publisher : APC

Term 1

1. Revision of class 10th programming
 - * Chapter 1 and 3
2. Data Representation
 - * Number systems
 - * Conversions
 - * Binary arithmetic
3. Chapter 14 (Arrays and library methods with flow of control)
 - * S.d.a and d.d.a
 - * Library methods

Term 2

1. Chapter 12 (Function : Recursion)
 - * Introduction to recursion
 - * Using simple recursion
2. Chapter 5 (Logic and hardware)

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- * Propositional logic
- * Basic gates and universal gates
- * Truth table, wff and logic gate diagrams, minterm, maxterm, canonical SOP, POS
- * Half adder, full adder and Boolean laws.

Term 3

1. Chapter 15(Operation on files)

- * String tokenizer class
- * Exception handling
- * Operations using text files
- * Operations using binary files
- * File operations
- * I/O in files
- * I/O using Scanner

2. Packages

- * Definition, creation of packages
- * Importing user defined packages

Term 4

1. Revision of practical based questions
2. Revision of Boolean algebra

Revision of recursion.

Contact Us

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