

Marks: 50	Part-II (Class-IIX)	Time: 2:00 Hours
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Unit 1: Introduction to Programming

- 1.1 Programming Environment
Integrated Development Environment (IDE), Text Editor, Compiler
- 1.2 Programming Basics
Reserved Words, Structure of a C Program, Purpose and Syntax of comments in C Programme
- 1.3 Constants and Variables
Constants, Variables, Data type of a Variable, Name of a variable, Variable Declaration, Variable initialization

Unit 2: User Interaction

- 2.1 Input/output (I/O) Functions
printf(), Format Specifiers, scanf(), getch(), Statement Terminator, Escape Sequence
- 2.2 Operators
Assignment Operators, Arithmetic Operators, Relational Operators, Assignment Operator (=) and equal to Operator (==), Logical Operators, Unary vs Binary Operators, Operators' Precedence

Unit 3: Conditional Logic

Control Statements
Selection Statements
If Statement, If-else Structures, Nested If-else Structures, Solved Example Problems

Unit 4: Data and Repetition

Data Structures
Array, Array Declaration, Array Initialization, Accessing array elements, Using variables as array indexes
Loop Structures
General Structure of loops, General syntax of for loop, Nested Loops, Solved Example Problems, Loops and Arrays, Solved Examples Problems

Unit 5: Functions

Types of Functions, Advantages of Functions, Structure of a Function, Defining a Function
Glossary Indexes Answers

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Published by: Punjab Curriculum and TextBook Board, Lahore

