

Assignment 1:

Unsolved programs on decision making and iteration

Ch: 6 • Pg. 224 • Programs: 2, 3, 4, 6, 7, 9, 11, 13, 14, 16

Assignment 2:

Conditional and Looping Statements

- Prime Adam Number
- Circular Prime Number
- Goldbach Number
- Number of cartons
- Convert to date

Assignment 3:

Computer Hardware – Logic Gates

Ch: 2 (Back Exercise) • Ques: 10, 11, 12, 14, 19, 42, 74

Assignment 4:

Boolean Algebra

Ch: 1 (Part: 2) (Back Exercise) • Ques: 7, 21, 27, 28, 31, 33, 34, 50, 52, 60, 62

Assignment 5:

Solved Question Paper (1st term)

Assignment 6, 7, 8, 9:

String Manipulation (Pattern, Encoding, Sorting, Frequency)

Assignment 10:

String Manipulation (Extra Programs):

- Replace each vowel with the next one (a becomes e, e becomes i, ...)
- Display the words beginning and ending with a vowel first, then the rest of the words in a sentence

- Convert each word to palindrome
- Display each letter of 'n' words vertically
- Sort words in a sentence in ascending order of their length

Assignment 11:

Single Dimentional Array

Pg: 347 • Program: 2, 4

Assignment 12:

Double Dimentional Array

Pg: 349 • Program: 7, 23

Assignment 13:

Methods - Call by Value

Pg: 405 • Program: 13, 14

Assignment 14:

Methods - Call by Reference

Pg: 404 • Program: 5, 15

Assignment 15:

Use of Pure and Impure method (one prorgam)

(example: call by reference (impure), call by value (pure))

Assignment 16:

Method Overloading (one program)

(example: calculate the volume of different shapes using different methods with the same name)

Assignment 17:

Constructors - Default

Pg: 474 • Program: 18

Assignment 18:

Constructors – Parametrised

Pg: 475 • Program: 19

Assignment 19:

Recursion

Pg: 509 • Program: 10, 13

Assignment 20:

Data Structures: Linked List

Pg: 654 • Program: 5, 8 (a), 11 (a), 17 (a)

Assignment 21:

Data Structures: Stack

Pg: 631 • Program: 1

Assignment 22:

Data Structures: Queue

Pg: 633 • Program: 2

Assignment 23:

Assignment 24:

Assignment 25: