

Tribhuvan University
Institute of Science and Technology
2081



Bachelor Level / First Year/ First Semester/ Science
Computer Science and Information Technology (CSC110)
(C Programming)
(OLD COURSE)

Full Marks: 60
Pass Marks: 24
Time: 3 hours.

Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.

Section A

Attempt any TWO questions.

(2×10=20)

1. What are the advantages of using pointer? What might be the issues while using pointer? Illustrate the arithmetic operation using pointer with example. [2 + 2 + 6]
2. When do we need multidimensional array? Write a program to add the elements of two arrays in a single array and print them in descending order. [2 + 8]
3. Draw a flowchart to find the average of two numbers. Why do we need to define the data type of a variable? Discuss about variables, constants and comments. [3 + 2 + 5]

Section B

Attempt any EIGHT questions.

(8×5=40)

4. Why do we need graphics functions? Explain. [5]
5. Discuss the different types of logical and relational operators. [5]
6. Write the syntax of for, while and do – while loop. [5]
7. How do you define and declare function? Give an example. [5]
8. Write a program to create a structure named Doctor with data members name and address. Store the data of 5 doctors. [5]
9. Explain the different types of opening modes in file handling. [5]
10. Define recursion. How do you define array of structure? [2.5 + 2.5]
11. Discuss about evaluation of expression. What is the use of break in case statement? [3 + 2]
12. Explain about different formatted and unformatted I/O statements. [5]