

Tribhuvan University
Institute of Science and Technology

2074

Bachelor Level/ First Year/ First Semester/ Science

Full Marks: 60

Computer Science and Information Technology (CSc 102)

Pass Marks: 24 (Fundamental of Computer Programming)

Time: 3 hours.

Candidates are required to give their answers in their own words as far as practicable. All questions carry equal marks.

Attempt Any two questions:

1. Discuss structure of C program with suitable example.
2. Discuss different types of switch statement with suitable examples. Differentiate if statement with switch statement.
3. What is structure? How it is different from array?

Attempt any eight question:

4. What is algorithm? How is it different from flowchart?
5. What is type conversion? Discuss type casting with suitable example.
6. Discuss increment and decrement operators with suitable example.
7. What is functions? Discuss the benefits of functions.
8. Write a program to find the sum of 10 integer number stored in array.
9. Define pointer. Discuss the relation between pointer and one dimensional array.
10. Write a program to read and print data in file input .txt
11. Why do we need graphics functions? Write a program to draw a circle.