Tribhuvan University
Institute of Science and Technology
2074

Bachelor Level / First Year/ First Semester/ Science
Computer Science and Information Technology (CSc. 110)
(C Programming)

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

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

Attempt any two questions: (2×10=20)

1. Discuss structure of a C Program with suitable example. (10)

2. Discuss different types of if statements with suitable example of each. Differentiate if statement with switch statement. (8+2)

3. What is the structure? How is it different from array? Create a structure student having data members name, roll-number and percentage. Complete the program to display the name of student having percentage greater than or equal to 60. (1+2+7)

Attempt any eight questions: (8×5=40)

4. What is algorithm? How is it different from flow chart? (2+3)

5. What is type conversion? Discuss type casting with suitable example. (1.5+3.5)

6. Discuss increment and decrement operators with example. (5)

7. Write a program that computes the sum of digits of a given integer number. (5)

8. What is function? Discuss the benefits of using function. (1.5+3.5)

9. Write a program to find sum and average of 10 integer numbers stored in an array. (5)

10. Define pointer. Discuss the relationship between pointer and one-dimensional array. (1.5+3.5)

11. Write a program to read and print data stored in a file input . txt. (5)

12. Why do we need graphics functions? Write a program to draw a circle. (2+3)