CSc.110-2074 ✿

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)