CSc.110-2075 ✡

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

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.

(2×10=20)

Attempt any two questions:

1. What is looping statement? Discuss different looping statements with suitable example of each. (2+8)

2. Define array? What are the benefits of using array? Write a program to add two matrices using array. (1+2+7)

3. Why do we need data files? What are the different file opening modes? Write a program that reads data from a file "input.txt" and writes to "output.txt" file. (2+3+5)

(8×5=40)

Attempt any eight questions:

(5)

4. Discuss different logical operators in detail.

5. What is break statement? Discuss with example. How the break statement is different from continue statement? (1.5+3.5)

(5)

6. Write a program to check whether a number entered is even or odd.

(5)

7. Write a program to calculate sum of first 10 odd numbers.

(1.5+3.5)

8. What is preprocessor directive? Discuss # define directive with example.

(5)

9. Discuss any five string library functions.

10. What is dynamic memery allocation? Discuss the use of malloc ( ) in dynamic memory allocation with example. (1+4)

11. What is structure? Create a structure rectangle with data members length and breadth. (2+3)

(2.5+2.5)

12. Write short notes on:
    (a) Benefits of data files
    (b) Graphics functions.

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