

CBCS SCHEME

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BESCKE204/BESCK204E

Second Semester B.E./B.Tech. Degree Supplementary Examination,
June/July 2024

Introduction to C Programming

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

| Module – 1 | | | M | L | C |
|------------|----|--|---|----|-----|
| Q.1 | a. | Explain basic organization of a computer. | 7 | L2 | CO1 |
| | b. | Explain the terms Computer and its characteristics. | 7 | L2 | CO1 |
| | c. | Explain classification of Computers. | 6 | L2 | CO1 |
| OR | | | | | |
| Q.2 | a. | Write a C program to take input the student data and display it. | 7 | L2 | CO2 |
| | b. | Write and explain the structure of C program. | 7 | L2 | CO2 |
| | c. | Explain Input and Output statements in C language. | 6 | L2 | CO2 |
| Module – 2 | | | | | |
| Q.3 | a. | Write a C program to find the largest number out of given three numbers. | 7 | L2 | CO2 |
| | b. | Explain type conversion in C language with example. | 7 | L2 | CO2 |
| | c. | Explain different types of operators in C language with the help of examples. | 6 | L2 | CO2 |
| OR | | | | | |
| Q.4 | a. | Explain 'If = else' conditional branching statements in C language. | 7 | L2 | CO2 |
| | b. | Explain 'for' iterative statement with example. | 7 | L2 | CO2 |
| | c. | Explain 'goto' statement with example. | 6 | L2 | CO2 |
| Module – 3 | | | | | |
| Q.5 | a. | Explain following terms with examples : i) Function declaration ii) Function definition iii) Function call. | 7 | L2 | CO4 |
| | b. | What is Function in C program? Explain needs of function. | 7 | L2 | CO4 |
| | c. | Explain different types of scope of a variable with example. | 6 | L2 | CO4 |
| OR | | | | | |
| Q.6 | a. | Write a C program to perform addition of array elements. | 7 | L2 | CO3 |
| | b. | Explain accessing of array elements with examples. | 7 | L2 | CO3 |

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|-------------------|----|--|---|----|-----|
| | c. | Explain how to pass array to function with example. | 6 | L2 | CO4 |
| Module – 4 | | | | | |
| Q.7 | a. | Write a C program to perform string operations using library functions. | 7 | L2 | CO4 |
| | b. | Explain functions for reading string data from keyboard with help of example. | 7 | L2 | CO4 |
| | c. | Explain bubble sort technique with example. | 6 | L2 | CO3 |
| OR | | | | | |
| Q.8 | a. | Write a C program to perform addition of two matrices. | 7 | L2 | CO3 |
| | b. | Illustrate to access elements of two dimensional arrays. Explain with example. | 7 | L2 | CO3 |
| | c. | Illustrate to pass two dimensional arrays to function. Explain with example. | 6 | L2 | CO3 |
| Module – 5 | | | | | |
| Q.9 | a. | Explain how to access members of structure data type with example. | 7 | L2 | CO3 |
| | b. | Explain the structure data type and declaration of structure data type and its memory allocation with example. | 7 | L2 | CO3 |
| | c. | Explain String taxonomy with help of example. | 6 | L2 | CO3 |
| OR | | | | | |
| Q.10 | a. | What is Pointer? Explain declaration of pointer variable with example. | 7 | L2 | CO3 |
| | b. | Explain Arithmetic operations on pointer variable with examples. | 7 | L2 | CO3 |
| | c. | Explain NULL pointer and generic pointer with example. | 6 | L2 | CO3 |
