CBCS SCHEME

USN | | | | | | | | | |

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

	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

* * * * *