

# C PROGRAMMING

**Maximum: 75 Marks**

(10 × 1 = 10)

Cont...

**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Analyze the portability of C code benefit developers when working with different hardware platforms.	K4	CO1
	(OR)			
	11.b.	Explain the structure of C program.		
2	12.a.	Construct the priority of operators in C.	K3	CO2
	(OR)			
	12.b.	Develop the if-else and if-else if statements in C with examples.		
3	13.a.	Explain the differences between while, do-while, and for loops in C.	K4	CO3
	(OR)			
	13.b.	Explain how incremental (++) and decremental (--) operators work in C.		
4	14.a.	Develop a program to demonstrate the use of a function with variables as parameters and returning a value.	K3	CO4
	(OR)			
	14.b.	Build the advantages of using pointers in C.		
5	15.a.	Determine the array of structures in C. How do you declare the elements.	K5	CO3
	(OR)			
	15.b.	Explain nested structures in C with an example.		

**SECTION -C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Examine the different categories of data types in C, and explain how their sizes and ranges differ.	K4	CO1
2	17	Develop a C program using the switch-case statement to determine the day of the week based on a given number (1 to 7).	K6	CO3
3	18	Discuss about how to declare and initialize a one-dimensional array in C.	K5	CO3
4	19	Analyze the concept of functions in C, and explain their types, and with examples.	K4	CO4
5	20	Justify the file I/O functions in C with examples.	K5	CO5

Z-Z-Z

END