

QP Code: D 122630		Total Pages: 1	Name:
		Register No.	
<b>SECOND SEMESTER (CUFYUGP) DEGREE EXAMINATION, APRIL 2025</b>			
<b>INFORMATION TECHNOLOGY</b>			
<b>ITY2CJ101 : Fundamentals of Programming (C Language)</b>			
<b>2024 Admission onwards</b>			
<b>Maximum Time :2 Hours</b>		<b>Maximum Marks :70</b>	
<b>Section A</b>			
<b>All Questions can be answered. Each Question carries 3 marks (Ceiling : 24 Marks)</b>			
1	What are the key features of the C language?		
2	Define character set in C with an example.		
3	Write the syntax of the if-else if ladder with an example.		
4	How does the goto statement work in C?		
5	How do you declare and initialize a character array?		
6	What is the difference between an array and a string?		
7	What is the use of the strlen() function?		
8	Define the auto storage class with an example.		
9	What is the difference between static and extern storage classes?		
10	Write the syntax for defining a structure in C.		
<b>Section B</b>			
<b>All Questions can be answered. Each Question carries 6 marks (Ceiling : 36 Marks)</b>			
11	What are tokens in C? Give examples.		
12	Define constants and variables in C with examples.		
13	Explain the if-else statement with an example.		
14	What is a switch statement? Explain with an example.		
15	Define an array. How do you declare and initialize a one-dimensional array?		
16	Explain two-dimensional arrays with an example.		
17	What are storage classes? Explain any two with examples.		
18	What is a structure? How do you declare and initialize a structure?		
<b>Section C</b>			
<b>Answer any ONE .Each Question carries 10 marks (1x10=10 Marks)</b>			
19	What are pointers? Explain how pointers and arrays are related, with an example.		
20	Describe the different types of operators in C with examples.		