

B.C.A. Sem.-2 Examination

CC-108

Advanced C Programming

May-2025

Time : 2-30 Hours]

[Max. Marks : 70

Q-1	Write the Following.	
1	What is structure? How to define it. Explain structure within structure with example.	7
2	Explain nesting of structure in detail.	7
	OR	
1	Explain Union with example. Explain difference between Structure and union.	7
2	Explain Array within Structure with example.	7
Q-2	Write the Following.	
1	What is pointer? Explain pointer to pointer in detail.	7
2	How we can use pointer in function?	7
	OR	
1	Explain call by value and call by reference with example.	7
2	Explain Array of pointer with example.	7
Q-3	Write the Following.	
1	Explain memory allocation functions with example.	7
2	Explain linked list delete at end operation with example.	7
	OR	
1	What is linked list? Write down difference between Array and Linked List.	7
2	Explain linked list insert at last operation with example.	7
Q-4	Write the Following.	
1	What is file handling? Describe different file opening modes with examples.	7
2	Explain ftell() and rewind() functions.	7
	OR	
1	Explain any two preprocessors with examples.	7
2	Describe error handling functions.	7
Q-5	Answer the Following as either True or False. (Any Seven)	14
1	A union member variable is generally accessed using '*' (Pointer) operator.	
2	The union holds multiple objects at a time.	
3	Underflow is a condition that occurs when we try to delete a node from a linked list that is empty.	
4	Rewind function gives the current position of the file.	
5	User-defined data type can be derived by structure.	
6	Structure is define by structure keyword.	
7	fend() function is used to detect the end of file.	
8	In structure, structure within structure not possible.	
9	In file handling program, file pointer variable define by FILE.	
10	In Singly linked list, node contain three values as previous, value and next.	
11	You can use a file without opening it.	
12	Pointers are usually denoted by the operator "%" sign.	