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ANURAG Engineering College
(An Autonomous Institution)
II B.Tech I Semester Supplementary Examinations, June/July – 2024
COMPUTER PROGRAMMING - II
(ELECTRONICS AND COMMUNICATION ENGINEERING)

Time: 3 Hours   **Max. Marks: 75**

Section – A (Short Answer type questions)   **(25 Marks)**
Answer All Questions

	Course Outcome	B.T Level	Marks
1. State the different sorting methods.	CO1	L1	2M
2. Distinguish between linear search and binary search.	CO1	L2	3M
3. What is an array of structure and give an example?	CO2	L1	2M
4. What is the use of typedef?	CO2	L1	3M
5. What is a pointer to pointer?	CO3	L1	2M
6. Differentiate between array of pointer to an array.	CO3	L2	3M
7. List any four applications of stack?	CO4	L1	2M
8. What are the basic operations for creating a linked list?	CO4	L1	3M
9. Specify the modes of opening a file in C.	CO5	L1	2M
10. Distinguish text file and binary file	CO5	L2	3M

Section B (Essay Questions)
Answer all questions, each question carries equal marks.   **(5 X 10M = 50M)**

		Course Outcome	B.T Level	Marks
11. A)	Write a C program to sort the elements using bubble sort?	CO1	L3	10M
	OR			
B)	Explain how linear search is different from binary search? Write a 'C' program to implement the concept of binary search.	CO1	L2	10M
12. A)	Compare and contrast structures and unions with an example program.	CO2	L3	10M
	OR			
B)	Write a C language program to define structure for class containing class name, no. of students and block no. Read 5 records and displays it.	CO2	L3	10M
13. A)	Explain the following with example i) Parameter passing of pointers ii) structures through pointers	CO3	L2	10M
	OR			
B)	Explain the following with examples i) pointers to functions ii) pointers to pointers.	CO3	L2	10M
14. A)	Explain the steps involved in insertion and deletion into a singly linke list.	CO4	L2	10M
	OR			
B)	Write a C program to demonstrate Queue using arrays.	CO4	L3	10M
15. A)	What is a file? Explain the operations that can be performed in files. Explain with examples.	CO5	L2	10M
	OR			
B)	Write a C program to read the data from a file.	CO5	L3	10M