

**ANURAG Engineering College**

(An Autonomous Institution)

II B.Tech I Semester Supplementary Examinations, Jan/Feb-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. Define Sorting.	CO1	L1	2M
2. List the types of Searching techniques.	CO1	L1	3M
3. Write an example of array of structures?	CO2	L1	2M
4. Define Union.	CO2	L1	3M
5. Define Pointer.	CO3	L1	2M
6. Define self-referential structures	CO3	L1	3M
7. Write short notes on dequeue operation?	CO4	L1	2M
8. Define List.	CO4	L1	3M
9. Write the syntax of to open a file	CO5	L1	2M
10. Differentiate between text and binary files.	CO5	L2	3M

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

11. A) Write a program for sorting integers using insertion sort.	CO1	L3	10M
<b>OR</b>			
B) Explain about Binary search with an example program.	CO1	L3	10M
12. A) Write a C program to maintain a book structure containing name, author and pages as structure members. Pass the address of structure variable to a user defined function and display the contents.	CO2	L3	10M
<b>OR</b>			
B) Compare Unions and Structures. Explain the differences with examples.	CO2	L3	10M
13. A) Explain array of pointers with examples.	CO3	L3	10M
<b>OR</b>			
B) Explain about Structures through pointers with an example.	CO3	L3	10M
14. A) Explain about Single Linked List with an example.	CO4	L3	10M
<b>OR</b>			
B) Explain stack operations with an example.	CO4	L3	10M
15. A) Explain about various operations on a file along with syntaxes.	CO5	L3	10M
<b>OR</b>			
B) Explain the following functions through a sample program which reads a file "test.txt".	CO5	L3	10M
i) ftell()    ii) fseek()    iii) rewind()			

