

ANURAG Engineering College

(An Autonomous Institution)

I B.Tech II Semester Supplementary Examinations, Jan/Feb-2024

COMPUTER PROGRAMMING-II

(COMMON TO CIVIL, EEE, MECH & CSE)

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. List the sorting techniques available in C.	CO1	L1	2M
2. Differentiate Between Linear Search and Binay Search?	CO1	L2	3M
3. Write the declaration syntax of a union?	CO2	L2	2M
4. Write the declaration syntax of nested structures?	CO2	L2	3M
5. Define a pointer. What is Pointer to Pointer?	CO3	L2	2M
6. What is meant by self-referential structures?	CO3	L2	3M
7. What is the basic principle of stack?	CO4	L1	2M
8. What is queue and explain its operations?	CO4	L2	3M
9. Write the syntax to open a text file in read mode?	CO5	L1	2M
10. What are the differences between text files 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 C Program to sort the array elements using selection sort.	CO1	L3	10M
OR			
B) Write a C Program to find the key value in given array elements using Binary Search?	CO1	L3	10M
12. A) Define a Structure. Explain how the structures are initialized and accessed with suitable example program.	CO2	L3	10M
OR			
B) Declare a 'student' structure with the field's student name, roll no, three subject marks. Find the total and average. Write a C Program to read 5 student details and display those details.	CO2	L3	10M
13. A) Write a C Program to find the sum of array elements using pointers.	CO3	L3	10M
OR			
B) Explain Call by Reference Parameter Passing Technique with suitable example.	CO3	L3	10M
14. A) Write a C Program to perform the stack operations using arrays?	CO4	L3	10M
OR			
B) Explain the Queue operations and its applications.	CO4	L3	10M
15. A) Write a C program to copy the contents of one file to another file.	CO5	L3	10M
OR			
B) Briefly explain the Command Line Arguments with an example.	CO5	L3	10M

