R15/R14

ANURAG Engineering College
(An Autonomous Institution)
I B.Tech II Semester Supple Examinations, June/July - 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.	Differentiate Between Selection sort and insertion sort?	CO1	L2	2M
2.	What are the advantages linear search?	CO1	L1	3M
3.	Explain how to define union?	CO2	L2	2M
4.	What is meant by self-referential structures?	CO2	L1	3M
5.	Explain how to define pointer to function?	CO3	L2	2M
6.	List the advantages and disadvantages of pointers?	CO3	L1	3M
7.	Explain about stack?	CO4	L2	2M
8.	Explain about queue and its operations?	CO4	L2	3M
9.	What is meant by binary file?	CO5	L1	2M
10.	List the advantages of using files?	CO5	L1	3M

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

11. A)	Perform bubble sort of the following numbers: 20, 5, 30, 10, 65, 3, 90.	CO1	L3	10M
	OR			
B)	Explain the binary search with an example?	CO1	L2	10M
12. A)	With an example explain passing structures through pointers?	CO2	L2	10M
	OR			
B)	Explain the unions? How are unions differ from structures?	CO2	L2	10M
13. A)	Compare and contrast array of pointer and pointer to arrays?	CO3	L2	10M
	OR			
B)	Write a program to accept a set of names and display them by using array of pointers?	CO3	L3	10M
14. A)	Explain about insertion and deletion operations on single linked list. Write pseudo code for them?	CO4	L2	10M
	OR			
B)	Give the structure of Queue ADT. Explain the operations on it.	CO4	L3	10M
15. A)	Write a C program to copy the contents of one file to another txt file.	CO5	L2	10M
	OR			
B)	Explain dynamic memory functions?	CO5	L2	10M