34, 5, 67, 8, 435, 2,78,45,12.

## **ANURAG Engineering College**

(An Autonomous Institution)

I B.Tech I Semester Supplementary Examinations, June/July-2024 PROGRAMMING FOR PROBLEM SOLVING

(COMMON TO CSE, IT & AIML)				
Time: 3 Hours  Max. Marks: 6				
Section – A (Short Answer type questions)		(10 Marks)		
	r All Questions	Course Outcome	B.T Level	Marks
1	or a opiogrami,	CO1	L2	1M
2	of the state of the characteristics.	CO1	L1	1M
3.	AL	CO2	L1	1M
4	T with willow,	CO2	L2	1M
5.	a. w and w+	CO3	L2	1M
	b. r and r+			
	c. rb and rb+ d. a and a+			
6.		CO2	7.4	43.5
7.	Demonstrate some standard functions and libraries.	CO3	L1	1M
8.	What is static memory allocation and dynamic memory allocation?	CO4	L2	1M
9.	and dynamic memory and allocation?	CO4	L1	1M
10.	Give the merits and demerits of linear and binary search.	CO5	L2	1M
10.	Give the ments and dements of finear and binary search.	CO5	L1	1M
A	Section B (Essay Questions)			
Answer all questions, each question carries equal marks.		(5)	X 10M =	= 50M)
11. A)	Draw the Flowchart to print biggest of three numbers?  OR	CO1	L2	10M
В)	What is compiler? Explain compiling and executing of a program in detail.	CO1	L2	10M
12. A)	Define a structure. How to initialize a structure? Explain with an example?	CO2	L2	10M
	OR			
B)	Define array of strings and explain with a program.	CO2	L3	10M
13. A)	How to create and store files using 'C' language?  OR	CO3	L3	10M
B)	Explain about file inclusion preprocessor directives?	CO3	L2	10M
14. A)	Implement a recursive function to print the numbers in Fibonacci series?	CO4	L3	10M
	OR			
B)	Discuss the following with an example. i) malloc() ii) calloc() iii) realloc() iv) free()	CO4	L3	10M
15. A)	Explain Binary search technique with example?	CO5	L2	10M
B)	Use Bubble Sort Technique algorithm to sort the following numbers 34, 5, 67, 8, 435, 2,78 45 12	CO5	L2	10M