ANURAG Engineering College

(An Autonomous Institution)

III B.Tech I Semester Regular Examinations, December – 2024 PRINCIPLES OF PROGRAMMING LANGUAGES (COMPUTER SCIENCE AND ENGINEERING)

Time: 3 Hours Max. Marks: 60

Section – A (Short Answer type questions) (10 Marks)				
Answer All Questions		Course	B.T	Marks
1		Outcome	Level	43.5
1.	9 9	CO1	L1	1M
2.		CO1	L1	1M
3.		CO2	L1	1M
4. 5.	Define Array and Associative Arrays.	CO2 CO3	L1	1M
5. 6.	What is local referencing environments. Discuss Design issues for functions.	CO3	L1 L1	1M 1M
7.	Discuss Design issues for functions. Define Semaphore.	CO3	L1	1M
8.	Define Event Handling.	CO4	L1	1M
9.	_	CO5	L1	1M
10.	Define prolog.	CO5	L1	1M
100	point protog,	003	LI	1141
Section B (Essay Questions)				
Answer all questions, each question carries equal marks.		(5)	X 10M	= 50M)
11. A)		CO1	L2	10M
	Offs			
-	OR			
B)	J 1	CO1	L2	10 M
	semantics differ?			
10 4)	Define an array Frants in the initialization of Frants in the	000	Τ.Ο.	1014
12. A)	Define an array? Explain how to initialize an array? Explain the different types of arrays.	CO2	L2	10M
	OR			
B)	Illustrate the advantages and disadvantages of mixed mode	CO2	L3	10M
-)	arithmetic expressions	002	13	10171
13. A)	Explain about co-routines and implement simple subprogram	CO3	L3	10M
,	OR			
B)	Explain how subprogram is overloaded? Give examples.	CO3	L2	10M
14. A)	What is a semaphore? What are the operations on semaphores?	CO4	L2	10M
	OR			
B)	Discuss about Event Handling with Java and C#.	CO4	L2	10M
15. A)	Explain the comparison of functional and imperative languages	CO5	L2	10M
T-1	OR	~ -		4.07. 7
B)	Discuss the key concepts of scripting languages.	CO5	L2	10M

