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Class Test (1) Examination: Fall-2026

Course Code: CIS 132

Course Title: Algorithms

Time: 30 Minutes **Total Marks: 15**

1.	What is algorithm? Discuss the types of algorithms with examples.	[5]

2.	Calculate the time complexity of the following code:
	a) `i = 1`
	`while (i < n):`
	`i /= 2`
	`printf("Hello")`
		[5]

3.	Calculate the time complexity of the pseudocode below using the recursive tree method.
	
	`fib(n) {`
	`if n==0;`
	`return 0;`
	`else if n==1;`
	`return 1;`
	`else`
	`return fib(n-1) + fib(n-2);`
	`}`
		[5]

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