Started on	Thursday, 18 July 2024, 4:47 PM
State	Finished
	Thursday, 18 July 2024, 4:47 PM
Time taken	
	0.00/6.00
Grade	0.00 out of 100.00
Question 1	
Not answered	
Marked out of 1.00	
True/False: Dynam	nic Programming reduces asymptotic complexity by eliminating redundant computations.
Select one:	
○ True	
○ False	
The correct answe	er is 'True'.
Question 2	
Not answered	
Marked out of 1.00	
True/False: Recurs	ive routines cannot be used in Dynamic Programming algorithms?
Select one:	
○ True	
False	
The correct answe	r is 'True'.

Question 3
Not answered
Marked out of 1.00
Which of the following is NOT one of the main principles of dynamic programming algorithms?
Select one:
a. Optimal substructure: optimal solutions to problems are built from optimal solutions to subproblems.
Ob. "Shop around": to determine the best option, try them all and select the best one. Do not employ heuristics.
o. Memorization: answers to subproblems are remembered to avoid repeated computation of the same thing.
Od. Recursion: implemented as a recursive routine to reduce overhead and improve computational efficiency.
The correct answer is: Recursion: implemented as a recursive routine to reduce overhead and improve computational efficiency.
Question $oldsymbol{4}$
Not answered
Marked out of 1.00
Marked Sat 61 1.36
True/False: In a dynamic programming algorithm, we can use a table to store results of sub-problems and then refer to this table to ensure that we don't recomputed those sub-problems. Select one:
○ True
○ False
The correct answer is 'True'.
Question 5
Not answered
Marked out of 1.00
True/False: Dynamic programming is a variation of the linear programming model in that it breaks the problem down into smaller problems that are solved using the simplex method?
Select one:
○ True
○ False
The correct answer is 'False'.

ı	Marked out of 1.00		
	True/False: Dynamic programming is less complex asymptotically but is substantially more complex from a programming perspective?		
	Select one:		
	○ True		
	○ False		
	The correct answer is 'False'.		

Question 6

Not answered