

GREEN UNIVERSITY OF BANGLADESH



Department of Computer Science & Engineering

CT-03

Course Code: CSE-205

Course Title: Algorithms

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Submitted to:

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Designation : Lecture Dept : CSE

Green University Of Bangladesh

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Section: 193(DC)

Dept. : CSE

Remark

Ans to the Q:NO: I

we know;

 $P(1,w) = \max\{v, +p(i-1), w-w_i\}, p(i-1,w)\}$

-	14.7		
	i temuj	weight (w)	value (y)
	1	2	24
	2	3	27
•	3	4	3.6
	4	51	15
	5	Z	9(x)
	6	5	13(4)

 $\begin{array}{c|c} & \text{My 1d} = 193002101 \\ & \times = (193002101 \times 20) = 149 = 9 \\ & \times = 9 \\ & \times = 13 \end{array}$

A	
1800	

7	0		2	3	4	5	6	7 7
0	0	0	0	O	0	D	0	0
1	0	0	24	24	24	24	24	24
2	0	0	24	27	27	51	51	51
. 3	0	0	24	27	236	51	60	63
4	0	15	24	39	42	51	66	75
5	0	15.	24	39	42	51	66	75
Ç		15	24	39	42	51	66	75
				·				
Þ					*		ę	

$$45-24=51$$
 $51-27=24$
 $24-24=0$

50, the maximum prodition (item I value + item 2 value)

the maximum profit = (24+27+24)

= 75

Ans.

Ans to the a. No: 2

Given that,

My 10: 193002101

1930021017.5=1

77			1	2.	3	4	5	6	, +
L	Will.	0	B	В	C	A	В.	A	
1	0	0	0	0	Ö	O	0	D	
2	A	0	; 0	0	O	K 1	£ 1	~1	
3	B	0	×1	K-1	€ 1 °	€ ¹ 1	K 2	€2	
4	В	0	1	K 2	6 2	∠ 2	1 × 5	↑ Z	
5	A	0	1	1 2	12	× 3	₹3	~3	
C	· D	0	1	7 2	72	78	73.	3	
マ	3	0	1	£ 2	14 62	7 3 .	K 4	£ 4	
9	C	0	71	7 2	≪ 3	23	4	4	
9	A	0	7	7 2	7 3 -	4	4	# B "5	
Commence of the Commence of th							,	1	

So, the longest common subsequence BBABA