	No.:	Date:
		*
	SECT 1013 : DISCRETE STATE	UCTURE
	ASSIGNMENT 4	
	SESSION 20242025 - SEME	STEA
	SECTION 02	
	LECTURER'S NAME : DR. NOORFA HASZLINNA	BNII MUSTAFFA
	7	
	GROUP MEMBERS :	MATAIC NUMBER :
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*		
***************************************		
-		
n the		

auestion 3

Listing Inorder -

2,+,2,\*,3,+,4,1,2

Expression = 2+2+3+4/2

= 10

-	No.: Date:	
	Question 4	9, 16-3
	m=4 n=mi+1 { + m = 1	de
	n = ? = 4(2000) +1	
	1 = ? = 8001 have been recruited	
	[ = 2000 grafe from = g , - 1 = ,	
	i = 1 - 1	
	m - 1	
TO THE REAL PROPERTY.	1 = i (m-1) + l	
	= 2000 (4-1) +1	
	= 600) did not do any recruitment	
7		
	100 100 100 100 100 100 100 100 100 100	14
	the second secon	
	601 g 1736 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.34
		1
G <sub>y</sub>		
		7.71
Sec. 207		
-		
		Harrie Harry

5)	Edges	Weight	Eyele (11N)	Select (JIN)	
	(0	1	N	y	
	DН	1	N	Y	
	EF	2	N	Y	
)	AB	4	N	Y	
	FH	4	N	Y	
	DE	Ĺ	Y	N	
	CE	1	Y	N	
	FJ.	7	N	Y	
- 18	BF	3	N	Y	
	Ac	3	Y	N	
	Jī	٩	N	y	
	HI	10	Y	N	
	8 C	Ti.	Y	N	
i.	2.4	14	Y	N	

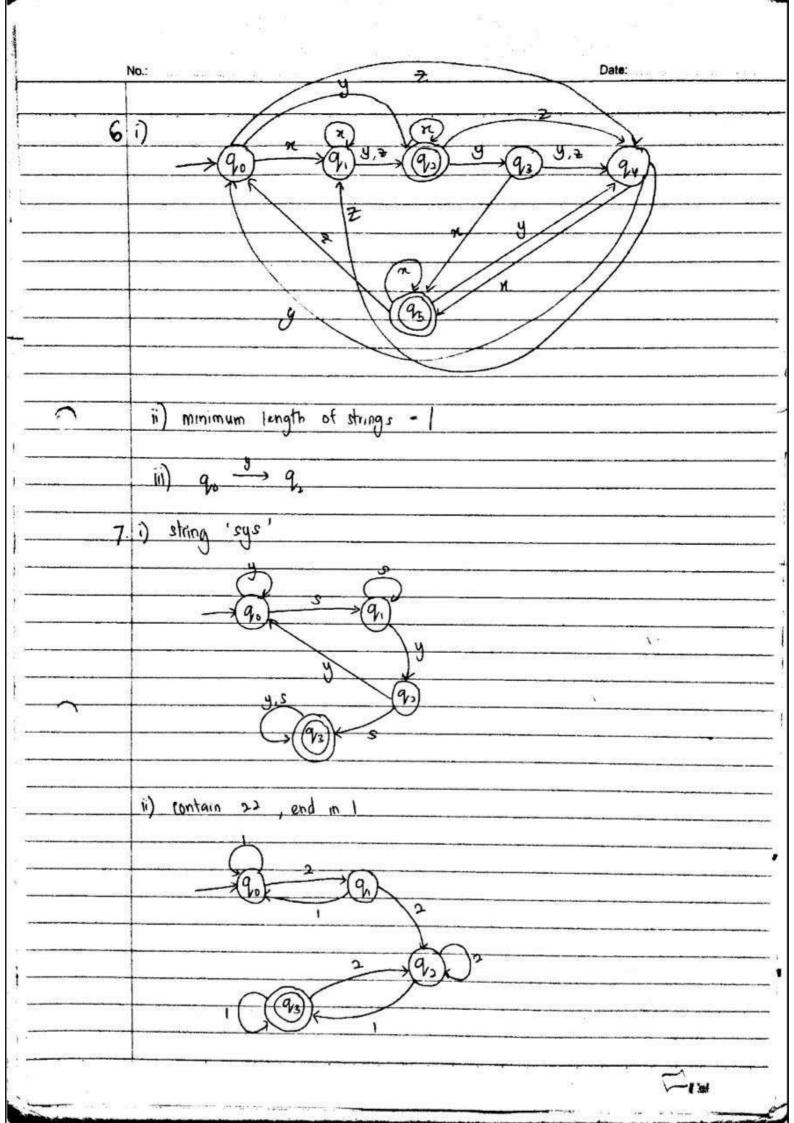
Total weight = 1+2+2+4+4+7+8+9

= 37

Total length = 37 m

70191 6051 = 37 + 100

= RM 37 00



No.:

Date:

Question "
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a) 
$$S = \{q_0, q_1, q_2, q_2\}$$
  
 $T = \{q_1, b_3\}$   
 $0 = \{0, 1\}$ 

fs		f.		
а	ь	а	ь	
9,1	93	1	0	
91	92	0	1	
9,	92	0	1	
,	9,3	1	0	I
	9,	a b  91 93 91 92 91 92	a b a  91 93 1  91 92 0  91 92 0	a b a b  q <sub>1</sub> q <sub>3</sub> 1 0  q <sub>1</sub> q <sub>2</sub> 0 1  q <sub>1</sub> q <sub>2</sub> 0 1

b) 
$$q_0 \xrightarrow{q} q_1 \xrightarrow{q} q_1 \xrightarrow{q} q_1 \xrightarrow{b} q_2 \xrightarrow{b} q_2 \xrightarrow{b} q_2$$

output : 1 , accepted

1	Question 9
	States
	qu = green light with burriers at top position
4	g: " Yellow light with barriers lowering
1	95 = red lights with barriers at bittem position
	ay = red light with barriers raising
	laput :
33	A . no signal from any sensors
	8 - lett sensor sends first signal
	C = left senser sends second signal
	D = right sensor sends first rignal
	E right sensor sends second signal
15	F = barriers not at top position
	9 = Larrer not at bottom position
	H = bernier at top position
	1 = barrier at bettem fesition
20	6ntput
	0 = ho change
	1 = lowering barrier
	2 = raising barrier
73	A/O, C/O, D/O, E/O, F/O, 4/Q, H/O, I/O A/O, B/O, C/O, D/O,
	(Q1) B/1 (Q2) (Q2)
4	H/0
30	(94) F/2 (93)
	A10, B10, C/0, D10, A10, B10, C10, D10,
	E10, F12, 410, I10 P10, 410, 410, I10