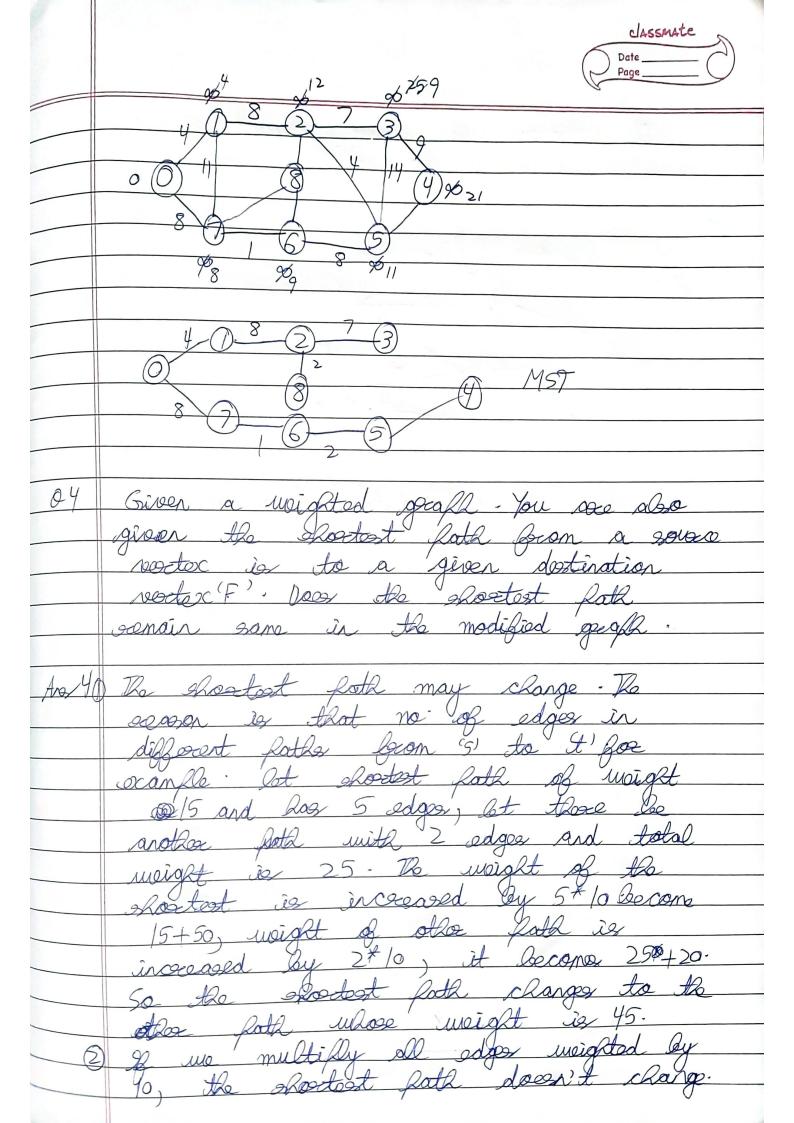


	TUTORIAL-6
0/	What do you mean by Minimum graning take undat is the application of M5T.
i.	18 M5T-
Angl	Mat do A minimum Larring topo or minimum to weight farring topo is
	a subset of the edges of a corrected start of the edges of a corrected sedge
	mighted undirected geafly all the ranting
	together without any cycle and with the minimum forsible total edge weight.
*	Afflication: Objining local Asea Abtwork. Suffice you want to contour lighway
	or gail good glaning several vities,  then we use the concept of M57  to correct.
	to seduce cost, you use the concept of MST to correct the houses.
<u> </u>	Rease analyse the time and space conflority of being, Knuskal, dijkstoca and and sellman food algo.

				3	
Ang 2	Agoritan	Time com	Docity	Face	composity
	bins	O(V2)		01/-	
	Kocuphal	O (E log	·V)	_	
	Dishotso	0 (V+ E	O(log(E)) O(V+E)		
	Rellman	0(V)	)	01/	
<u> </u>	Apply bring and the graft to meightor.	d Bourbal Computo	MST .	scillan	gn_
	4 9 8 2 7	3,	£		
	8 7 6	4 14 9			
<u> </u>		1	.1		
	late late		Weig	Rt	
	7-)6				
	6-35				
	2-38			,	
	0 ->1			<u> </u>	
	2->5		L	<i>ļ</i>	
	8->6				
	2-3			, 7	
	7->8			7	
	1-> 2		8	9	
	3->4		9		
	5->4		ĺ	)	
	<i>1</i> →7		(		
	3->5		1	f	



	Paga
	The scensor ie sample usight of all father form 5 to t.
05 Ans 5	Dijkolora's Agoscillan
	Oijbotora's Agosithn  10  10  10  10  10  10  10  10  10  1
	5 X X X X X X X X X X X X X X X X X X X
	node Rostost distance from Source node
	y
	Bellman ford Algorithm  19t -> (3) (1) (1) (2) (3)
	$2^{\text{nd}} \rightarrow \cancel{S} \qquad \cancel{0} \qquad \cancel{0} \qquad \cancel{0}$ $\cancel{10} \qquad \cancel{0} \qquad \cancel{0} \qquad \cancel{0}$ $\cancel{10} \qquad \cancel{0} \qquad \cancel{0}$
	$3^{22d} \rightarrow 3 \qquad 0 \qquad$
	\$ 9 (y) \$ 9 (y) \$ 1 3 7 4 5
1	5 2 7