	Adwart Purag 202/300/01/Page No.:
	Assgn 4 Date.
	6 6 5, 10 10
Q.1	C 5 10 0 C C 5 10 10
JS	F= 100 100 100 F= 100 100 100 100
	4 20 10 4 4 20 10 10
	4 4 20 10 10
	Paris C = I Country of seconds .
	Horizontal Vertical
	line Inl
	[-1 -1 -1   2   brose [-1 (2: +6 19)]
	2 2 2 -1 2 -1
	7-1-1 -12-1.
,	A = -283 -279 -275
	555 541 531 -977266 -269
	[-272 -266 -269]
	$A = \begin{bmatrix} 122 & -12 & 10 \end{bmatrix}$
	-15 20 -5
	-32 52 -20
9.2	F= 50 60 70
	5 50 80
	J 9 50
7	Prewitt's fflter
	$G_2 = \begin{vmatrix} -1 & 0 & 1 & G_y = \begin{vmatrix} 1 & 1 & 1 \\ -1 & 0 & 1 & 0 & 0 \end{vmatrix}$
	-1 0 1 -1 -1

Page No. Date.

$$C_1 = F - |1 - 6| = 7 - 5 = 2$$

$$C1 = 7 - |G-1| = 7 - S = 2$$
  
 $C2 = 7 - |7 - 6| = 7 - 1 = 6$   
 $C3 = 7 - |7 - 6| = 7 - 1 = 6$ 

6

**C**3

	Page No.:
	Date.
G	Edge 3. @ Edge 4
	Edge 3. (4) Edge 4
	1 01 6 7 1 01 6 7
	1 6 E C3 C
	7 (241)
	3 9 eq 7 5 cs
	Cest(E3)=(7-5)+(7-1)+ Cest(E4)=(7-5)+(7-1)
	Cest(E3) = (7-5) + (7-1) + Cost(E4) = (7-5) + (7-6)
	= 2+0+1+1 $(7-2)$
	= 2+6+6+1+5.
	- 20
(3)	ES © EG
<u>(S)</u>	
	1645
	0 7 02 6
	3 1 c3 7 3 c4 1 7
7 - 5 - 3	
	Cost (ES)= 7×3-(1+1+6) Cost (EG)=7×4-
	= 21 -8
	= 13 = 19(7-1)+(7-1)+(7-7)
	+ (7-2)
(F)	E7 8 E8 = 17
	1.6:5
	076
	3 1 7
	Cost(E7)= 7×4-(141+6+2) (ost(E8)-7×5- = 28-18 (1+1+7+6+6)
	1/ 1- 1
	$= \frac{10}{100}$
The state of the s	= (7-1) + (7-1) + (7-6) + (7-2) $ (7-4) + (7-6) +$
1	= 18
	Company of the OVEN Company

	Page No.: Date.
	Edge 3 has menement cost of 4. 17
9.5	
1	10 9 30 4
	R= 7 6 83 37
	sı 52 54 53
	55 57 56 058 3
100	
	Max-Min
	= 158-4/730
	- 1 Pi, 39 - 20 - 92 8
	R1 $R2$
No.	10 9 30 4
	7 6 33 37 37 WX X X
	R3 51 1052 54 153 R4
	SS 57 56 58.
	R1,
	Iman - Inon = 16-6=4  × 301
	$R_{2}$ $R_{2}$
	R2, B 30 4
	Inan - Tomb = 37 - 4 = 33 37
	730 R23 R24
	R3,
	Imax - Imin = 55-51 = 4
	X 30
	게 하는 사람들이 있는 이 사람들이 되었다. 그는 사람들이 가는 사람들이 살아 보는 사람들이 가지 않는 것을 수 있다.

Page No.: Date. Ry, Imax - Imm 7 30 9f / Imax - Iman / & merge Merge M1 = d2 R21 U R23 

				- C. WEST IN		Page No.:	<b>)</b>
						Date.	$\mathcal{A}_{\mathcal{C}_{\mathbf{a}}}$
10.4							3.0
of.	7	5	6 L	1 5	5	Range. Thresho	0-7
	7		5 7		4	Thresho	ld = 3)
	f=   5	3	$\frac{6}{2}$	.,			(N
	0		1 0	3		and the second s	
	12	1 0	) 2	2			
				1			
	(1) Seed	point	<u>S, (0,</u>	10)=	-/	\$ T=3	496
	200	e Inc		1 :7	THE TOTAL		19 (3)
	9-1	) IF COU	1) - +	33	Mary.		
			50 0.	- 61		76	700
		J-e- f	- (2,y)	- 44)	<u>, 6 رک</u>	,71	<u> </u>
	* C.S.C.	other	-(x, y)=	- 14			<u> </u>
		o A		A .	3	4	
		1/A	<i>A</i>		A	Addis	
	E:	= 2 A	A				= < A }
		3 0	3		1 2 3 3	40	
		4 2	1.00	2	11 11 11 11	3	A A
	1					KINA KANTANI	i U
	(2) Dec	d ht.	S2 (2	(3)=	2		
	0 7 . 4						
	2	9f 1F	(2,4)	- 2	<3	1.83 . 5.0	
	4	L. William	14.6. 8		0.06	1 1 5 S	(10)
		5.00	F(2,4)	$=q^{\prime}1$	, 2,3	3, 4,59 )= B	
	10.000		Al.	ren F	-(2, 9	B = B	
		AA		A	A		- <b>D</b>
	F =	AA		A	A	R2 = 6	BJ
		A A	A	B	B	0 20.	20-112-4
		B B	B		B	K=d KI	1 R2-V R34
		BB	B	B	B		

	Page No.:
	( Date. / /
9.6	
	O June 1 1 1 2 2 2 2 1
(a)	Laplackan es not a good edge operator - False
	shorator - False
6	Laplacian & leetter than gradient for detection of Edger-False
	detection of Edger-False
	the state of the s
	Image ousulting from poor Illumination can't be segmented easily-Irue
	can't be segmented easily-True
(d)	degmentation algg. For menochrome amages generally based on 2 bases proper these
1	generally based on 2 bost proper there
	of gray level values - True
6	Jo. + 1. 1. 0. 1.0 \ 1. 0. 1.0
<u>e</u>	Ferst order der reattre operators van
	detect any edge in gray image - False
(I)	Hough transform & not sustable of
	For vertical lines False
9.2	S1 S2 S3 S4 S5 S6 S7 S8
	0.25 0.15 0.06 0.08 0.21 0.14 0.07 0.04
SI	0.25 S8 6.04
S <sub>5</sub>	0.21
S <sub>2</sub>	0.15 .7
. 56	0.14
1	0.08
\$3	