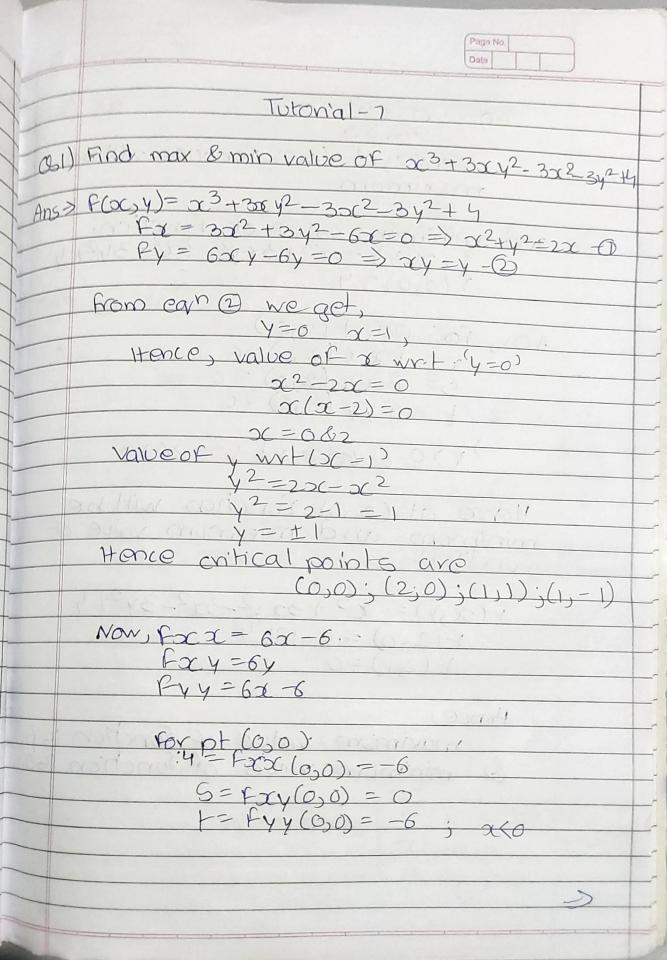
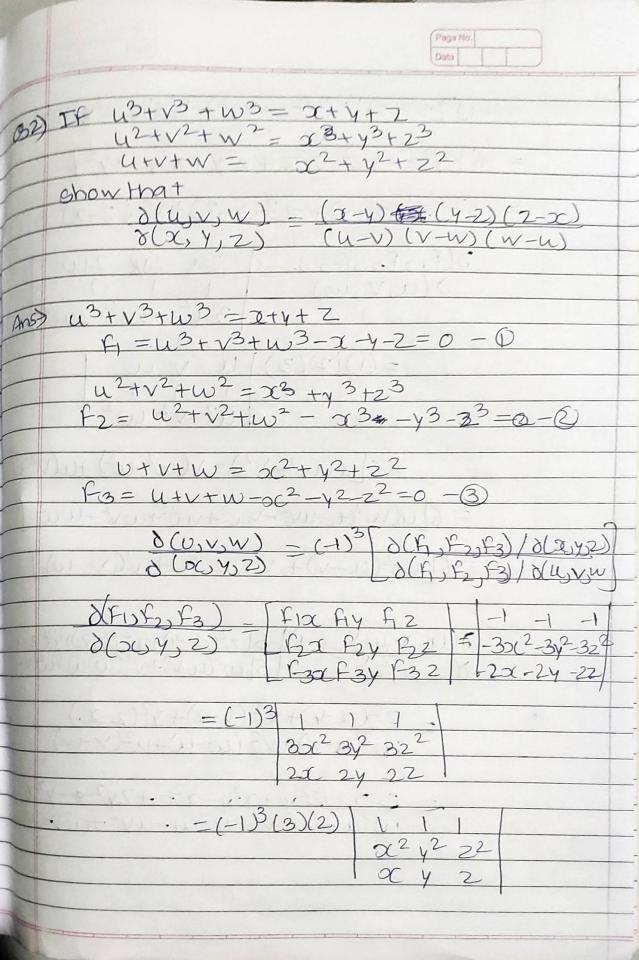
	Page No. Date
	Subject - LADC
	Subject - LADC Name- Shreening P Mhatre
	Rollba - 111056
1	Patch- K3
1	FUCH
	Toto nal-7
	1004(5/82 x 010) 50 DY 1 (c+x 0) 331 ay
	(e) 110 18 a 20 1 (a) (e+62) (cs 12)
	9 (1+d) 0+ 96 400 150 mg + 9 (6+ x 5) - 9 = 01
	1 2 2 (2) (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Hara Fretroin fretroil Poenteral
	[Co.41)(14a)a8 (E.t.s.c.)
-	
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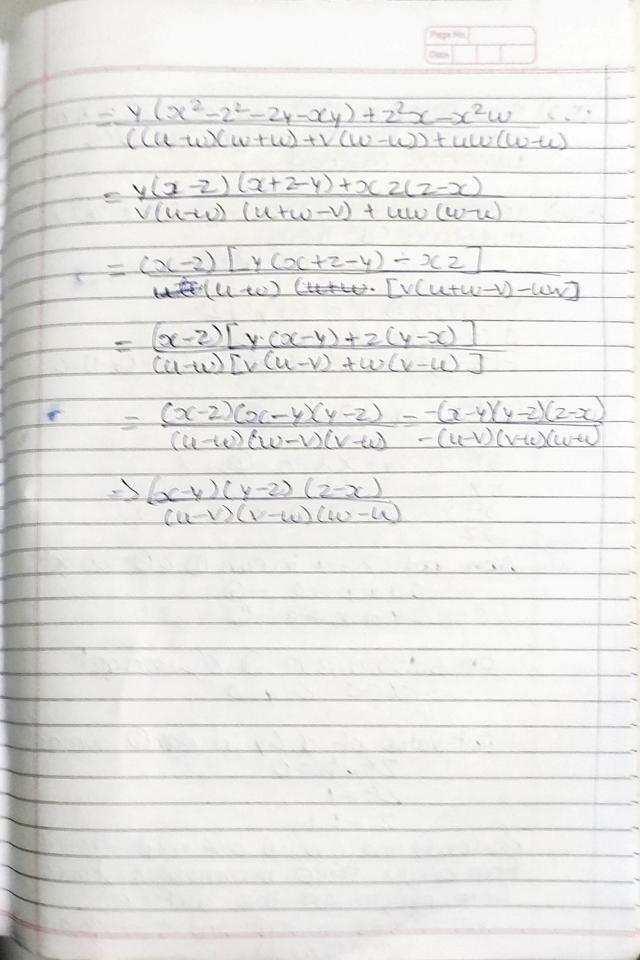


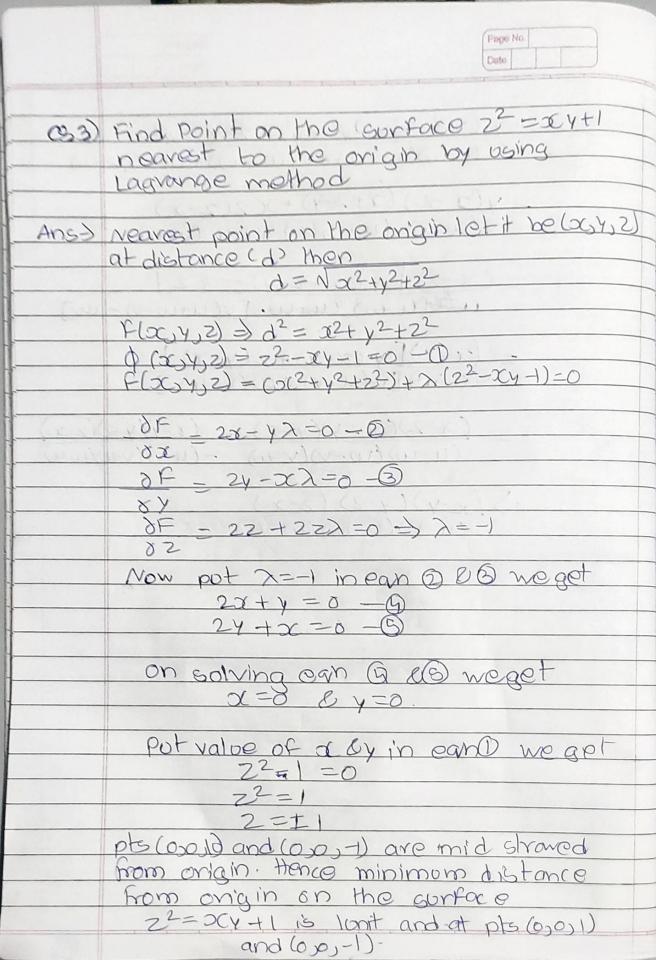
	Page No. Date
	Now yt -52=0
	36>0
alread	Hence, at (0,0) fonction will be
	maximum
	Start and the start of the star
1. 64	and minimum value of function. $F(x,y) = x^3 + 3xy^2 - 3x^2 - 3y^2 + y$
	$F(x,y) = x^3 + 3xy^2 - 3x^2 + 3y^2 + y$
	F(0,0)=4
	Now, for point $(2,0)$ $r = f \propto x (2,0) = 6$
	$S = F \propto Y(2)0) = 0$
	+ = xy(20) = 6
	V)06 pt r+ 52=36)0
	3 Jan 20 Ca S V
	Hence at (2,0) Fonction will be
	minimum and minimum value of function.
7.	function. Adam Issuella some
	$f(\alpha, y) = \alpha^3 + 3\alpha y^2 - 3\alpha^2 - 3y^2 + y$
	E(2 0) = 0 - 12+ 4
	F(2,0) = 8 - 12 + 4 F(2,0) = 0
	J- M- M-
	Hence
*	maximum value of function is 4
	& minimum value of Function 150
	0 = 0,000 = 0
	2 = (0,0) y v ?

1, 1, 1, 1



=(-1)3(3)(2)[1(x22-y2)-1(22-23x)+1(23-13)] = -6 [y22-y22-x22+z2y+x2y-xy2] $= -6[2^{2}(x-y)+x^{2}(y-z)+y^{2}(z-x)$ $\frac{\partial(F_{1},F_{2},F_{3})}{\partial(u,v,u)} = \frac{2u}{1} \frac{2u}{3v^{2}} \frac{2u}{3w^{2}}$ $= (1)(2)(3) | u \vee w$ $= (1)(2)(3) | u \vee w$ $=6[u(w^2-v^2)-v(w^2-u^2)+u(v^2+u^2)$ $= 6 \left[u(w^{2}t - uv^{2} - vu^{2} + vu^{3} + uv^{2} - uv^{2} \right]$ $= 6 \left[u^{2}(u - v) + v^{2}(w - u) + u^{2}(v - u) \right]$ $\frac{\partial(u,v_{,}w)}{\partial(x,v_{,}w)} = (-1)[-6[z^{2}(x+1)+z^{2}(y-2)+y^{2}(z-x)]$ $\frac{\partial(u,v_{,}w)}{\partial(x,v_{,}w)} = (-1)[-6[z^{2}(x+1)+z^{2}(y-2)+y^{2}(z-x)]$ $= \frac{2^{2}(x+y)+x^{2}(y-2)+y^{2}(z-x)}{\omega^{2}(u-v)+v^{2}(\omega+\omega)+u^{2}(v-\omega)}$ - 22x-22y+x2y-22+2y24-y2x 1 w24-w2v+v2w-4y2+42v-w2w





Fill ops-

The executival points of
$$x^2+y^2+6x+12$$
 are

$$f(x,y) = x^2+y^2+6x+12$$

$$f(x) = 2x+6 = 0$$

$$\Rightarrow x = -3$$

$$f(y) = 2y = 0$$

$$y = 0$$

$$(whical pt is (-3x0))$$

The executival points of $x^2+y^2+6x+12$ are
$$x = 2x+6 = 0$$

$$\Rightarrow x = -3$$

$$f(y) = 2y = 0$$

$$y = 0$$

