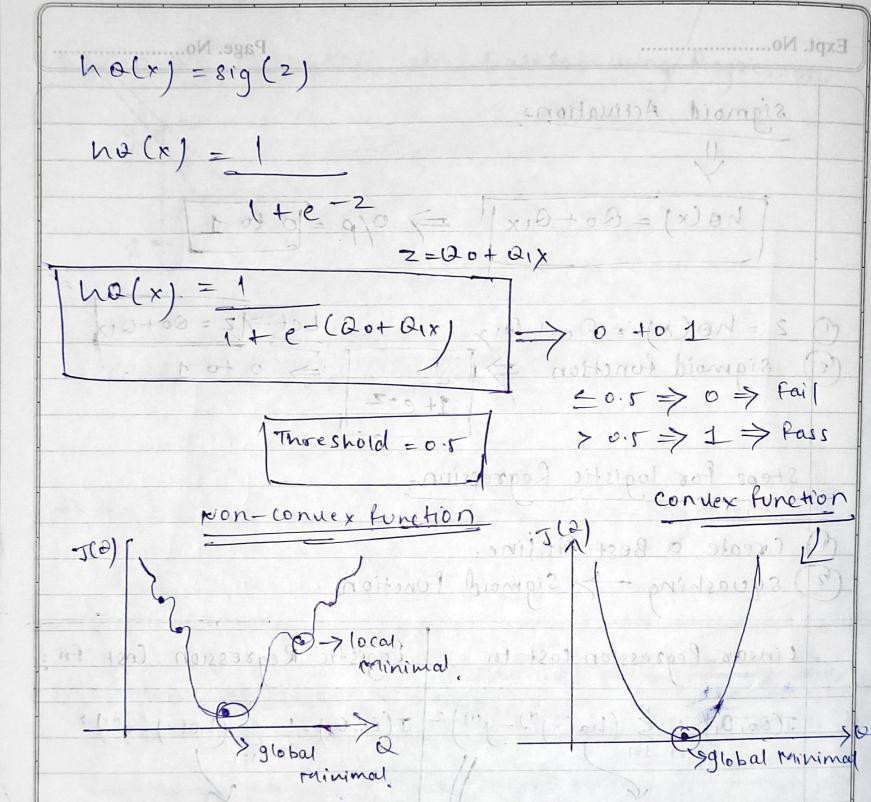
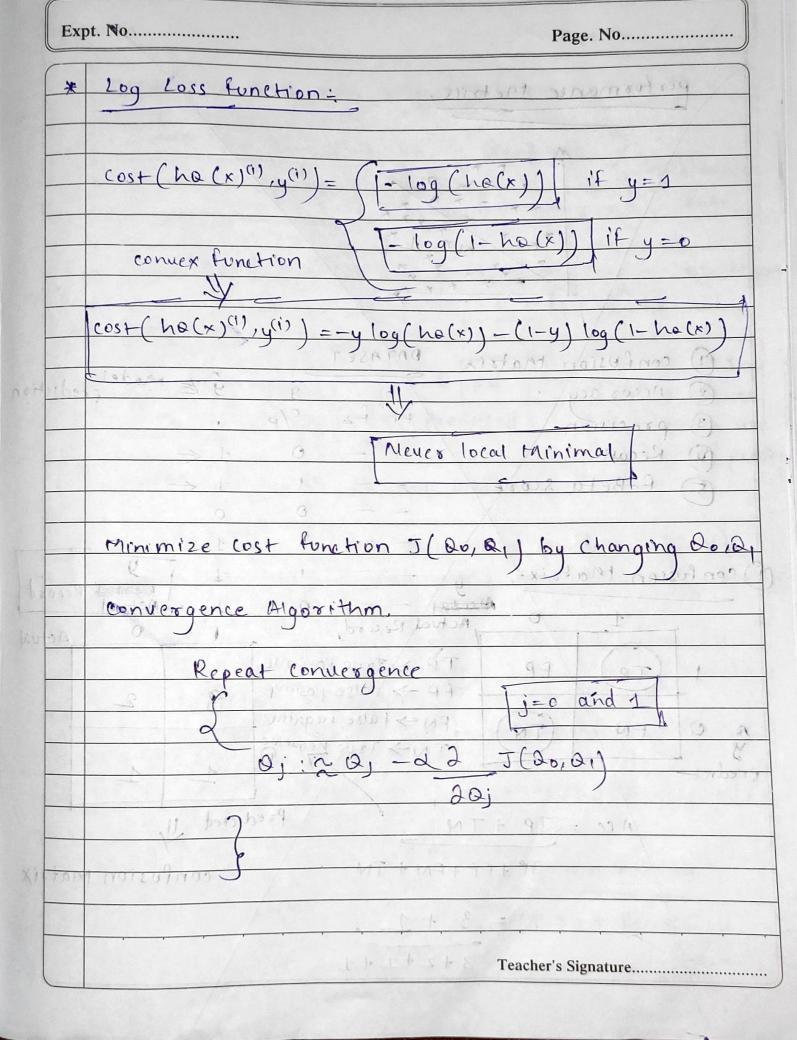
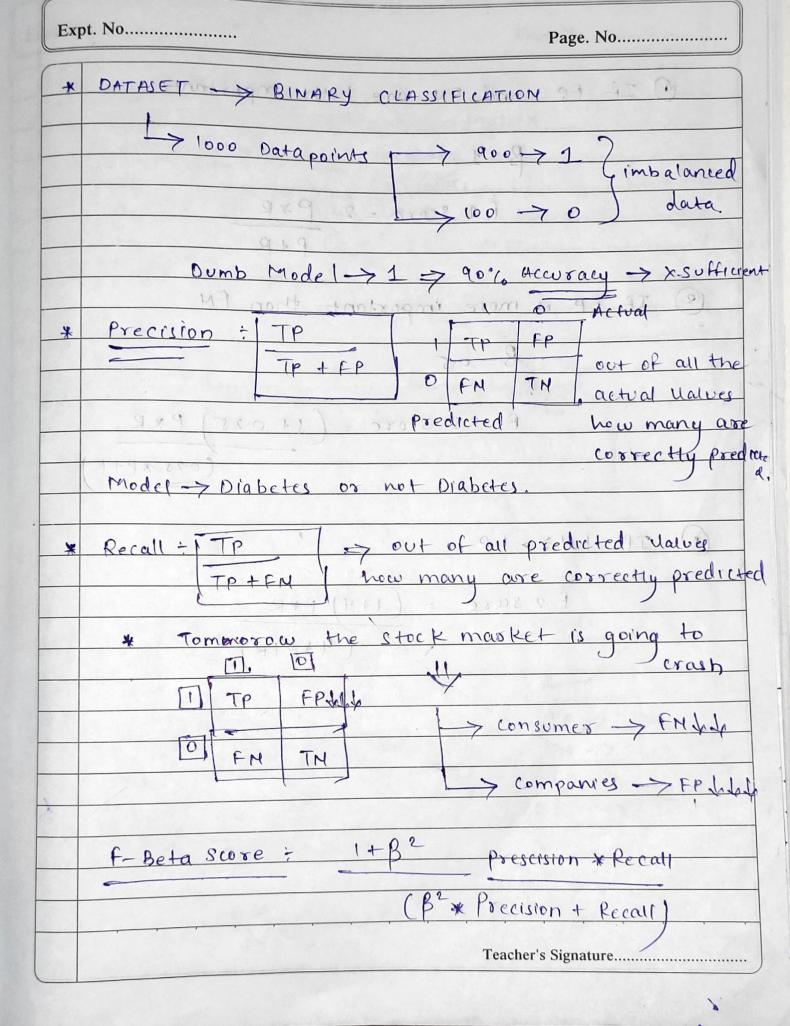
3 (NO(X)(1) - A(1) 5 + 4' E (81066) 5 + 40 = (61066) > >squashing line > > conditions: 455 and 470.5 (if more than one because of outlier athan we use squashing line cuty use logistic instead of linear Function sigmoid Activation outhers couses changes Best fit line and we have only two condition 0 to 1, it go above 1 then we Logistic Regression. use sigmoid function which squash line.

Expt. No	Page. No
sigmoid Activation:	() ()
	1-(2)41
$ho(x) = Qo + Q_{1}x$ = $70/p = 0 to 1$	
	1=(-)ay/
(2) Sigmoid function = 1	
(2) sigmoid function = 1 1+e-2	> 0 to 1 .
2109 < 1 < 100 < 100 kg	o myste
Steps for logistic Regression:	
O create a Best fit line.	
(6) squashing -> sigmoid function	
Cinear Regression cost for Logistic	c Regression Cost fn:
$J(00, 0) = 1 \frac{S}{h} \frac{(ha(x)^{(i)} - y^{(i)})^2}{h^{i=1}} \frac{J(00, 0)}{h^{i=1}} = \frac{S}{h^{i}} \frac{(ha(x) - y^{(i)})^2}{h^{i}}$	
	no(x) = sig(Qo+Qx
* Gradient Descent MSE	1
	z=Qo+Qixi Bestfit
Function Tha	
	$Aa(x) = 1$ eacher's Signature $1 + e^{-2}$





= 3+1 = 4 = 57% Teacher's Signature.....



(1) If FP and FM are both important (1) confusion Maleix B = 1-80001 (5) (1/0) F1 Score = 2 P*R . 90012 A+98-9 (B) P+Rin If FP is more important than FM. B =0.5 STARATAG 6-0.5 Swre = (1+0.25) PXR (0.25)*P+R (3) If FN >> FP f2Score = (1+4)P*R (4*P+R) LOUNDAY 0 1209 SUET K-91 botor boog Confusion FN -> False N Marsie 1 P Palse P Accusory: TP + TN 47+47+47 + 9T