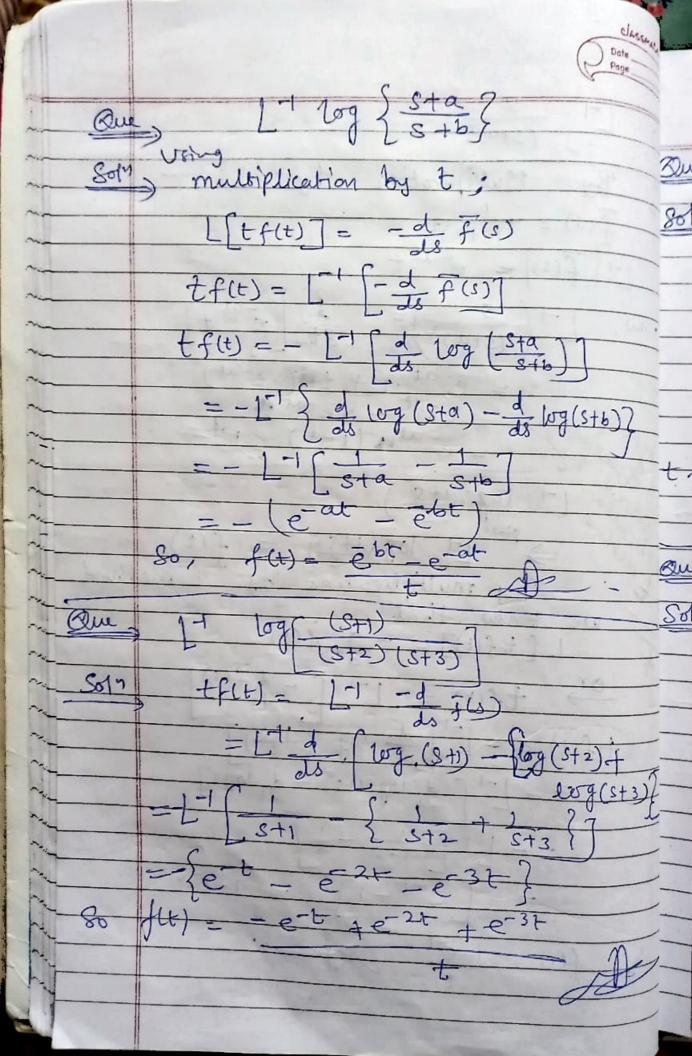


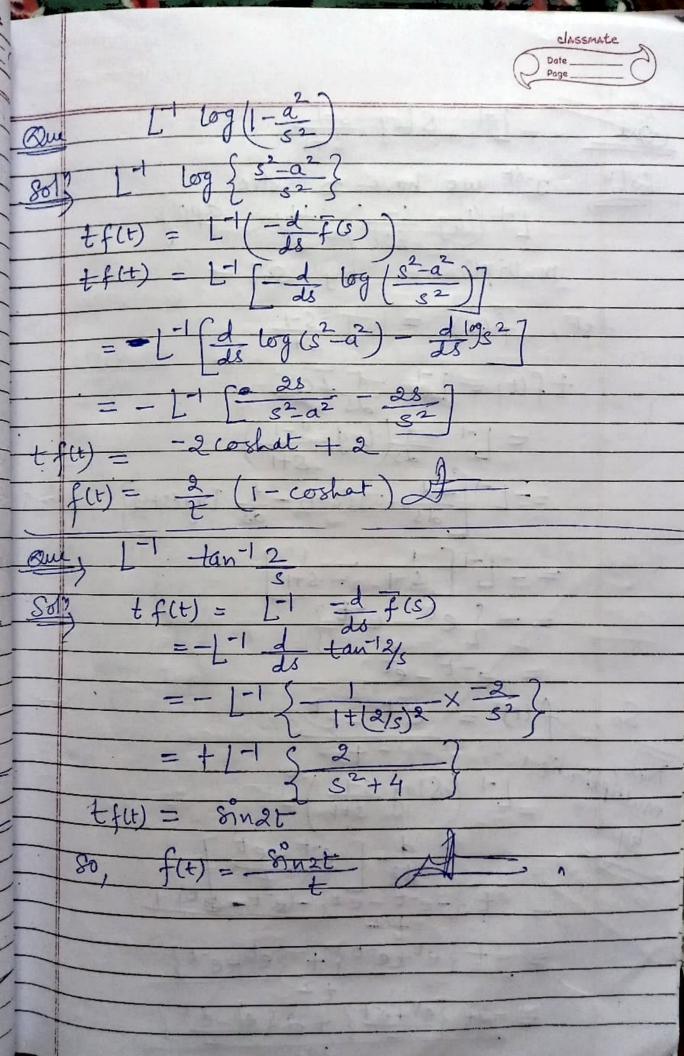
1º1 (Sta)2 By Mulliplication 64 f(1) = (5+a)2 [-1 (F(0)) = e-at+ Now, L' (sta)2)= dt [eat t] Solvening [-1 long (1+5)

Solvening [-1 long (1+5)

Siner, [-1 long (1+5) => siner/L-1 10g (1+5) = f(2) By multiplication by know that

L[tf(t)] = -d f(s) method or tf(b) = 1-1 [-df(s)] +f(t) = - 1 d 109 (145)] - d logs] = - [-1 ( d log (1+5) [e-t-1] = 1-E So,  $f(t) = 1 - e^{-t}$ 





1-1 Slog 5-1 8+1 Soly Ist we have to solve Lt (log 5-1) their apply multi plication by silet, f(s) = log <u>S-1</u> S+1 +f(t) = 1-1 -d F(s) = 1-1 -d log 8-1 =- L-1 =d log(s-1) -d log(s+1) 1-15 - 17 5-1 - 5+17 -{et-e-t} d fet et -2+ {e+e+}+2 {e-e+