



 $801^{9}5$  (a)  $F(s) = \frac{1}{s}$ fut) = L-1 \ 1} from Laplace transform pair. WH) (=) 1 f(t)= ult) Aug (B) F(S)= 1.55 - 2 fu): 4-15 1.55 + 22(1) = 1-181.55} - 1-1 8 2 } = 1.55 L1 { 1} -2L-1 { 1} UH) () + (SU)(=) 1 J(t) = 1.558(t) - 2 U(t) Ang

(c) F(5)= 1 e-atut) = fu)= e-1.5t u(+) Ang  $F(4) = \frac{5}{5^2} + \frac{5}{5} + \frac{5}{5}$ (d) f(+)=51-1516+50-1516+50-16 tuu) (⇒) 1 ; uu) (⇒) 1; su) (⇒) 1 f(+)= 5 (tu(+)+v(+)+s(+)) Any