Q1 Probability bractice: Part A 30%. Rc - 05 6-5 1 70% TC \$ 1-\$ 1 0.65 0.35 1 0-3(50%) + 0-7(6) = 0-65 overall \$ = 0.65-0.15 0.7 \$ = 0.50 ~ TIH", Part B P(tretest disease) = 0.993 (= 9 P(-ve text (disease) = 0.9999 & b Disease No Disease tre - ve P (dusease) = 0.0025 / (= C P (Drsease) +ve test) = P (+test | drsease) x P (dis) P(+test) des) r P(des) P(+test) dis) x P(dis) + P(+test) no dis) x P(no dig)  $\frac{a \times c}{a \times c + (1-b) \times (1-c)} = 0.1989$