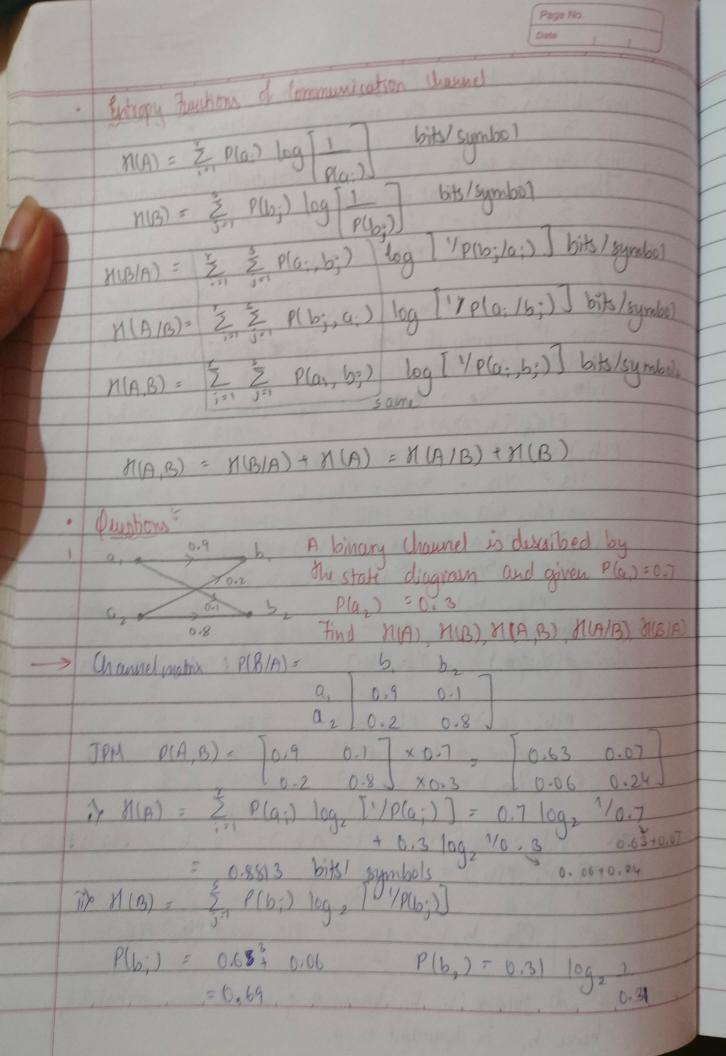


herre by is dependent on a. .



M(B) = 0.69 log 1/0.69 + 0.31 log, 1/0.31 = 0.8931 bits/symbols

iii) M(A,B) = = = = P(a;b;) log2 (P(a;b;)

= 0.63 log 1 0.07 log 1 +0.06 log 1 +0.24 log 2 L 0.63 0.07 0.06 0.24

= 1.426 bits/symbol

iv> M(B/A) = H(A,B) - M(A) = 1.426-0.8813 = 0.5447 bits/symbols V> X(A1B) = N(A,B) + - X(B) = 1-426 - 0.8931 = 0.533 bits/symbols

S ; 'I z = log, 4, = 2 bits

