Question-1: Opterator

- a) In a events are mutually exclusive if they cannot occur at some time.
 - i) A & B are rentually explusive because of some time.
 - ii) A: price 1 by \$10%.

 C: price charge in between -5%. 9+10%

 . Mulually exclusive.
 - iii) B: price v by \$>51.

 C: price charge is tetropen -51. \$-107.
 - b) A, B, c are mutually enhaustive.

 Le p(AUBUC) = 1

 But as stany are also mutually enclosive,

 enclosive,

 p(AUBUC) = [p(A) + p(B) + p(C) = 1]



c) Event 4 and event 0 are indiferently. That means occurrence of one does not affect see poolability of the other o floor Lugar

p(A/D) = P(A@OD) | :A, D are

P(D) | independent,

ponoD) b(U) = b(U) = b(U) b(D)

(2. removered in syrund) and on

object or a little in the

