Date: 15/09/2020 Solutika At problem assignment Semantic metubole. O REDMI NOTE 8 CO AI QUAD CAMERA

Baye's levane detanere the probability (2) Knowledge. Fr 15 a way to calculate the PEBIAL Wir.+ to P(A(B).
P(A) = P(A) * P(B|A) Z(P(Ai) * P(BIAi) where A1, A2, A3 ---. An is a set of mutually exclusive & exclusive & solution of the problem: Let I be the event of I dostification. Let M be the event the furning are both made, set of bette event that they are mixed ser. from te information given in O REDMINOTE 8 NOW HEAT P(I) = 0-30, So

P(I) = 0.70 (where I c rethe events the turns are fraternal P(f121)=0-25 we also know that Using Bayes' Hearen. P(FII) * P(I)

P(FII) * P(I) + P(FII) / NATY PLIIF 1= = -0.20×0.30 0. 50×0.30 +0.25×0.70 = 0.4615 i Probability that fley are identico