Examples. Three cords are drawn at random from a pack of 52 cords find the probability of getting. 1. 2 avec. 2. 2 speads 3. one spead, one club, & one diamond. They common the second of the common to the second of the common to the second of the 4. Two face cords. 5. at least one king Muhally Exclusive Event. P(ADB)= . 1. 0 (PCA) £1. 3. For a finite or countables infinite no. of pairwise mutuelles Exclusive events. 211A2 A31-..., In 85 S P(AUA2U...UAU) = P(AU)UP(A2)U-..UP(AU) =) P(A1) +P(A2)+P(A3)+ ··· +P(AN)_ Let 5 be a Sample space of a random Experiment E. Conditional probabilités and considering A and B) be two events converted will E. such that P(A) >0. Wen the probability of occurance of B on the hypothesis of the event A has all actually occurred is called conditional probability of -B. Her the probability of their simultaneous occurance = P(X) & (bud itional. grobability of B. on the try postres is of the $P(ADB) = P(A) \cdot \left(P(B_A)\right)$ -: P(A) \$ 0 $P(B/A) = \frac{P(A \cap B)}{P(A)}$ => (2 me + 1 0 mir curd) 1. Total NO. of Cevrals - 52, 3 Cords are drawn at random. P(A) = (out of 4 acc cards. Let A be mi event of getting 2 nee. 2 are drawn? => 1c2 ways. Carels-Total no. of Sample space = 52. Can be drawn. 3 comman 52e3 Warp. (52-4) - 48. Olher Carde are remaining. one cord is taken out of 48 cords in 48 q ways. 4c2 × 484 9 (A) = 52c3 13 Speads carels. Let B be mi event, out of Duich 2 @ are drawn randomly in Bez ways. remaining Cards = (52-13) = 39 cords out of which one is selected randomly in 39c, ways. one club, one diamond. no event be D of getting two face cords -Total face cards = 12 sut of Which 2 are Selected random nest of the levels one is selected at random) 1-P(no ving) = at a least one king probability of no. King may exists more man that, minimum onl