Assignment 4.4 I test conducted which is consistent of 20 MEQS with every MCQ howing its four options out of which only one is collect Determine the possbability that a person undertaking that test has arevered oractly 5 quettions whong. The probability of one question exact $\int p(c) = \frac{1}{4} = 0.25$ possible correct option = 1/4 [P= 0.25 Total No. of options perobability of arevering a question wrong p(w) = 3/4 = 0.75 [-p = 0.75] (N) Total number of Questions = [20=N] Number of Questions that work answered wrong (2) =5 Binonial Distribution Distribution (701) (n-x)! (n-x)! (n-x)! (n-x)! $= \frac{(20!)}{(5!)(15!)} \cdot (0.25)^{5} \cdot (0.75)^{5}$ 6.6000034 .. The probability that a person answered exactly I questions is approximately 0-0000034.