

Assignment\_17.1 Here n=20, n-K=5, K=20-5=15. Mere the probability of success = probability of giving a right answer = S = 1 Hence the probability of failure = probability of giving a wrong answer = 1-S = 1-1/4 = 3/4. When we substitute there values in the formula for Benomial Distribution we get, So, P(exactly 5 out of 20 answers incorrect) = C(20,5) × (1) 15 × (3) 5 => P(5out of 20) = 20 × 13 × 18 × 17 × (4) × (3) 5 (approximately) => P(5out of 20) = 0.0000034 Thus the required propability is 0.0000034 approximately हिन्दी विश्व की महान भाषा है। -राहुल संस्कृत्यायन