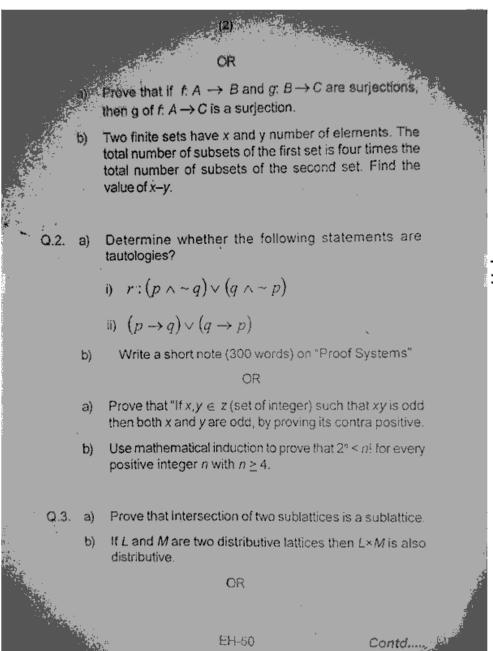
EH-50° . Il Semester (CGPA) CSE Exam. 2014 DISCRETE STRUCTURE Paper: CS-205 Time Allowed: Three Hours Maximum Marks: 60 Note: Attempt all the questions. All questions carry equal marks. Q.1. a) Let $N = \{0, 1, 2, 3, ...\}$. Define functions f, g and h from set N to N by f(n) = n + 1g(n) = 2nCompute go(fog)oh. Is the function h is inversible? Is the function f is onto? Prove that every transposition (x, y) is its own inverse. That is $(x \ y)^{-1} = (x \ y)$ EH-50

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