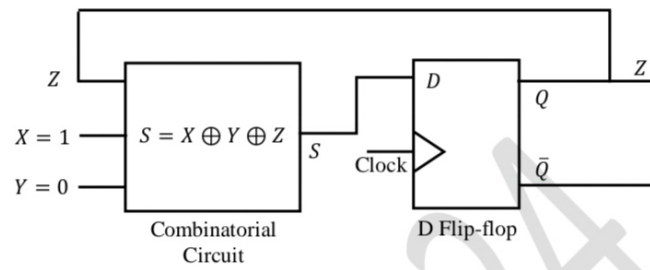1. In the circuit, the present value of Z is 1. Neglecting the delay in the combinational circuit, the values of S and Z, respectively, after the application of the clock will be

(a) $S = 0, Z = 0$

(b) $S = 0, Z = 1$

(c) $S = 1, Z = 0$

(d) $S = 1, Z = 1$