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COE 202, Term 052
Fundamentals of Computer Engineering

Quiz# 6

Date: Saturday, April 29, 2006

Q.1. Implement the following Boolean function $F(A,B,C) = A B C + A B' C' + A' B C' + A' B' C$ with the minimum possible gates using only:

- (i) 2x4 decoders (with or without enable), 2-input OR gates and inverters.
- (ii) 2x1 multiplexers and inverters.