**Name:**                                                      **Id#**

## COE 200, Term 023
## Fundamentals of Computer Engineering

### Quiz# 5

Date: Saturday, August 2, 2003

**Q.1.** Implement the following Boolean function F(A, B, C, D)= A` C` + B C` + A` D + B D using only:

(i) Four 2x4 decoders and four 3-input OR gates.

(ii) Three 2x1 multiplexers.