

**Name:**

**Id#**

**COE 405, Term 021**

**Design & Modeling of Digital Systems**

**Quiz# 4**

Date: Saturday, Dec. 21, 2002

- Q.1.** Write a function **SQUARE** that receives an unconstrained **Bit\_Vector** and returns its square value as a **Bit\_vector**. Assume that the returned **bit\_vector** size is equal to the input size. The declaration of the function should be as shown below:

**Function Square (x: bit\_vector) Return bit\_vector is**