

# QUESTIONS

## LIGHT QUIZ :

- 1) Relationship between block sensitivity( $bs(f)$ ) and sensitivity( $s(f)$ ) ?
- a)  $s(f) \geq bs(f)$
  - b)  $s(f) > bs(f)$
  - c)  $s(f) < bs(f)$
  - d)  $s(f) \leq bs(f)$

## DEEP QUIZ :

- 1) k-Threshold function definition: If  $x$  is a word of size  $n$ , then  $k\text{-Threshold}(x) = 1$  iff no. of ones in word  $x$  greater than or equal to  $k$ . What is the sensitivity of K-threshold function?
- a)  $n-k$
  - b)  $n$
  - c)  $\max(k, n-k)$
  - d)  $k$