

## **Applied Programming**

### **Quiz # 4**

Registration #: \_\_\_\_\_

Q. 1: Describe what rehashing is and why it is needed?

Q. 2: Draw a hash table with a bucket array of size 11, and hash function  $h(k) = |7 - k| \bmod 11$  to insert the keys 9, 11, 10, 18, 16, 19, 27, 18 and 38, in that order into the hash table. Assume that linear probing is used to handle collisions.