

## **Review Questions 07**

### **Topic: Hash Table Data Structure**

1. What is a hash table?
2. What is the difference between CBHTs and OBHTs?
3. True or false: Clustering is associated with CBHTs.
4. Suppose the following CBHT represents student exam results. More than 50% students would fail this unit based on this list. The coordinator decides to use a non-linear function to scale up the scores so that the 100 stays the same whereas the 25 and higher should pass 50. Please devise a suitable and uniformed hash function to realize this non-linear scale-up, and use it to redistribute the list.