**Hash:**

Q. 1. Apply the folding and modulus method to get the hash index of table size 11 for following keys. 8925, 23197, 37565, 48693, 46453

Q 2. :- apply the truncation method to get the hash index of the table size 997 for following keys. 699934, 674352, 632433, 678433, 678668, 629871, 653420

Q 3.- apply folding method to get the hash index of table size 79 for the following keys.

56497, 79256, 27143, 49239, 18942, 77722

Q 4.- apply the mid- square method to get the index of table size 97 for the following keys. 1123, 1234 1012, 1034, 1103, 1005

Q.5 :Apply hash function h(x)= x mod 7 for given elements: 76, 93, 40,47,10,55 and show open addressing hash table with second hash function h2(x)=5-x mod 5.

Q.6 Create a second hash function h2(x) to be the increment (generalize linear probing) for the following:

M(size of table)=11, h(x) = x mod 11, h2(x) = x mod 7 + 1

Hash: 14, 17, 25, 37, 34, 16, 26