

National University of Computer and Emerging Sciences, Lahore Campus



Course:
Program:
Date:
Section:
Roll No:
Quiz:

Advance Database Concepts
BS (Computer Science)
Tue 11-Mar-2025

3 (Hashed Files)

Course Code:
Semester:
Total Marks:

CS4064
Spring 2025
10

Q. Suppose that we are using extendable/dynamic hashing on a file that contains records with the following search-key values: 2, 4, 5, 6, 7, 9, 10, 14, 15. Show the extendable hash structures for this file if the hash function is $h(k) = k \bmod 8$ and buckets can hold **three** records. Use higher bits (i.e., left to right) of hash value to determine a directory entry. Show your work.