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| **National University of Computer and Emerging Sciences, Lahore Campus** | | | | |
| C:\Users\saif\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\final design.jpg | **Course:** | **Design and Analysis of Algorithms** | **Course Code:** | **CS302** |
| **Program:** | **BS(Computer Science)** | **Semester:** | **Spring 2018** |
| **Duration:** | **10 Minutes** | **Total Marks:** | **10** |
| **Paper Date:** | **20-Feb-18** | **Weight** | **3** |
| **Section:** | **C** | **Page(s):** | **1** |
| **Exam:** | **Quiz 2** | **Roll No:** |  |
| **Section:** |  |
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You are given an array A of size n and an integer k such that the sub arrays A[1.. n/k], A[n/k+1..2n/k] … A[(k-1)n/k+1 .. n] are sorted. Write the function k-merge that sorts the entire array A.