|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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:** | **E** | **Page(s):** | **1** |
| **Exam:** | **Quiz 2(a)** | **Roll No:** |  |
| **Section:** |  |
|  | | | | |

Below is the code for selection sort. Draw the decision tree of selection sort when sorting 3 elements

|  |
| --- |
| **SelectSort(A,n)**  **{**  **for(i=1 to n-1){**  **min = i**  **for(j=i+1 to n){**  **if(A[j]<A[min])**  **min=j**  **}**  **swap(A[min],A[i])**  **}** |

