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| **National University of Computer and Emerging Sciences, Lahore Campus** | | | | |
| final design | **Course:** | **Software for Mobile Devices** | **Course Code:** | **CS440** |
| **Program:** | **BS(Computer Science)** | **Semester:** | **Fall 2019** |
| **Date:** |  | **Total Marks:** | **15 marks** |
| **Total time:** | **20 minutes** | **Weight:** |  |
| **Section** | **CS-C** | **Page(s):** | **3** |
| **Quiz:** | **3** |  |  |
|  |  | | | |

Q1. Explain the steps of an Android Activity Lifecycle (4)

Q2. What is a service? List down the 4 types of services. (6)

Q3. What is a local Broadcast Manager? Explain how it is more efficient than the Global Broadcast Manager. (5)