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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 Name:** | Software Engg. Technologies | **Course Code:** | CS527 |
| **Program:** | MS (Computer Science) | **Semester:** | Spring 2020 |
| **Duration:** | 25 Mins. | **Total Marks:** | 10 |
| **Paper Date:** | 18 Feb 2020 | **Weight** | 10% |
| **Paper:** |  | **Page(s):** | 1 |
|  |  | **Exam Type:** | Quiz No. 1 |
| **Student : Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section:\_\_\_\_\_\_\_\_\_\_** | | | | |
| **Instruction/Notes:** | Solve the exam on this question paper, no additional sheets will be provided. Do NOT use pencil to solve the exam. | | | |

**Q No. 1.** (5 Marks) What are 3 most important characteristics of a software product? Why do you think each characteristic is important, in your view?

**Q. No. 2** (5 Marks) Identify 2 process related issues in traditional ‘Waterfall’ development lifecycle. Then discuss, providing arguments, how you’ll overcome them if you face them.

**Solution**

**Q.1**

Maintainability

* Software should evolve to meet changing market demands

Security

* Should not cause physical and economic damage in event of system failure

Adaptability

* Market Acceptance of a product is critical for success

**Q.2**

- Has upfront requirements, process does not support change in requirements. A proper change control process if in place will work.

- Hard to estimate timelines upfront. Can be managed with more experience attained in similar product development.