| **National University of Computer and Emerging Sciences, Lahore Campus** | | | | |
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| C:\Users\saif\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\final design.jpg | **Course Name:** | **Software Quality Engineering** | **Course Code:** | **SE3002** |
| **Degree Program:** | **Software Engineering** | **Semester:** | **Spring 2022** |
| **Exam Duration:** | **60 Minutes** | **Total Marks:** | **30** |
| **Paper Date:** | **26th Sep, 2022** | **Weight** | **10%** |
| **Section:** | **5A & 5B** | **Page(s):** | **4** |
| **Exam Type:** | **Midterm-I** |  |  |
| **Student : Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section:\_\_\_\_\_\_\_** | | | | |
| **Instruction/Notes:** | Attempt all questions on the question paper. Answer sheets are not required.  Take Assumptions where required and note them down along with your answers. | | | |

**Question #1:[2+1+1+1]**

1. Define Quality
2. List different types of cost of quality
3. Briefly Explain the purpose of Quality models
4. Briefly describe the GQM model.

**Question #2:[1+1+3]**

Your Software Quality Assurance team has received a requirement specification document. You have been asked to assess the quality of the document

1. Is this activity called verification or validation? Explain why?
2. What testing technique(s) can you apply to test such work products?
3. Create a generic checklist of items that you will test to assess the quality of the requirement document

**Question #5:[10 + 10]**

Your company “Jiggle” has a product “JDocs”, where people can create and manage their documents. This also has a feature to share documents. Currently you offer following options when sharing

* You can share Files or Folders
* You can give following access rights
  + read-only permissions
  + read and write permissions
  + Owner permissions
* You can share with
  + Individuals
  + All members of an organisation
  + Anyone that has the link

1. Create a reduced decision table to identify if the system should allow access to the user or not based on the different types of users that can request for the document
2. Create a Gherkin feature file to test this and use “Scenario Outline” to cover all required test cases in a minimum number of test scenarios