


## National University of Computer and Emerging Sciences, Lahore Campus

	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]**

- Define Quality
- List different types of cost of quality
- Briefly Explain the purpose of Quality models
- 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

- a) Is this activity called verification or validation? Explain why?
  
  
  
  
  
  
  
  
  
  
- b) What testing technique(s) can you apply to test such work products?
  
  
  
  
  
  
  
  
  
  
- c) 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
- a) 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

- b) 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