**SYSTEM ANALYSIS & DESIGN**

**CST 2234-300**

**TERM EXAM 2**

**GROUP EXAM - WINTER 2020 SEMESTER**

**Date: March 30, 2020 (Start Time: 6:00 PM)**

**Submission Due: April 2 till 11:59 PM**

**Instructions:**

* This is going to be a group exam (same group members as in project).
* It is up to the team members that how they plan to divide the task among members.
* Each question will be evaluated out of 5 marks.
* In body references and the citations in the end are also required if you get information from different sources.
* Team members are allowed to contact each other and take assistance from different reliable and verifiable academic resources.
* One final word file/document will be uploaded by the Group/Team leader.
* Your response should be able to answer the question(s). Size of answer does not matter. The quality of content matters…
* Over weightage of this exam is 10%.
* The exam can be uploaded by the team/group leader exactly the way team leader upload assignments. There will be a folder with the name ‘Upload Term Exam 2’. The complete path is 20W CST2234-300->Activities-> Assignments-> Upload Term Exam 2.

1. White Box Testing and Black Box Testing are two approaches or techniques involved in testing software being developed.   
 - Explain how these techniques affect the quality of the software being developed?  
 - Identify who would be involved in the implementation of these techniques and why?  
 - Explain also how these techniques would be implemented within the concept of Validation   
 and Verification?

2. The Context Diagram is one of the first diagrams to be generated in an SDLC. If the External

Entities are not correctly identified when developing the Context Diagram;   
 - Explain the effect on the ‘Event Table’ and on the ‘Use Case Diagram’?  
 - Explain also how the ‘Context Diagram’ and ‘Event Table’ could be tested to ensure

accuracy of design?

Good Luck ;)