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| TuesdayNorth Campus |
| Midterm Exam (Hourly-I) Spring - 2021 |



Subject: Software Quality Assurance Submission Day/Date: Saturday/11:45-2:45

Instructor: Engr. Shumail Zahra Submission Duration: 3 Hours

Program:BSCS Max. Marks: 10

Department of \_\_\_\_\_\_\_\_\_\_\_\_Computer Science\_\_\_\_\_\_\_

Please follow the instructions carefully:

1. Write your answers in a Word file and upload the file before the due time on BlackBoard.
2. Write your name and registration ID on the first page of your Word file.
3. Answer scripts can be uploaded on BlackBoard within or before its deadline. Therefore, do not wait for the last hour to avoid any unforeseen problems.
4. Submission of answer copy(ies) will be considered acceptable through BlackBoard only. Therefore, do not submit your document through email or any other medium.
5. Use 12 pt. font size and Times New Roman font style along with 1-inch page margins.
6. Follow the requirements of the word limit and the marking criteria while writing your answers.
7. Provide relevant, original and conceptual answers, as this exam aims to test your ability to examine, explain, modify or develop concepts discussed in class.
8. Do not copy answers from the internet or other sources. The plagiarism of your answers may be checked through Turnitin.
9. Recheck your answers before the submission on BlackBoard to correct any content or language related errors.
10. Double check your word file before uploading it on BlackBoard to ensure that you have uploaded the correct file with your answers.

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| Question #1 Marks 5 |

We have taken all the possible techniques to prevent the defects in different phases of SDLC. Do we still need to test the software? Explain your answer.

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| Question #2 Marks 5 |

Evaluate the below mentioned process and formulate your recommendations related to what should be added or changed in the process to make it more effective and in line with the best practices followed in the industry?

***Evaluate the Inspection Process of A-Soft:***

**Your Company has a long tradition of conducting rigorous Inspections on each and every of its work-items. A deeper look into the process reveals that the Inspections follow the following process:**

“After completing the work on a Work-item, the author of the work-item initiates the Inspection process. He/She invites his/her Manager and can carefully selects the required participants (maximum 5) and go-through their Schedule-diaries to find a suitable time slot. He then invites the participants for that time-slot and books a Meeting Room for the Inspection purpose.

During the Inspection process, the Author presents his Work-item to the participants. The participants provide their view points and the final outcome of the discussion is noted by the Manager.

Apart from the participants invited by the producer, the Manager has to invite 2 people as observing participants. The main objective of the Manager and these observing participants will be to evaluate/provide feedback about the skill-set of the author.

At the end of the Inspection session, the Author needs to submit the final findings of the Inspection to the Manager.

The Manager needs to evaluate the findings and determine if any rework is required and assign that work to any of the peers of the Author”.