

**Boot Camp Fall 2018 Batch**  
**Subject: Software Development Lifecycle**  
**Weekend Session**  
**Date: 11/17/2018**

**Submission Instructions:** Save all your responses in a MS Word document and label the file using the following format: Fall18 SDLC Bootcamp – Last 6 digits of Student ID Example: Fall18 SDLC Bootcamp – 0501VA (0501VA is Jay's Student ID)

1. What is the difference between unit testing and integrated testing?
2. Based on your previous project give an example of black box testing and white box testing?
3. What is Traceability Matrix?
4. What is the difference between DEV, QA , UAT and Prod environment?
5. What is a "Software Build"? When a tester found a bug what is the general steps to fix and re--test this. Explain your answer.
6. What is the difference between Water fall and Agile Method of Software Testing
7. What do you mean by "SCRUM"? Explain your answer.
8. Write down all the software name and version that use used in your previous project.
9. Explain/answer to the following Scenario based on your experience:

**Scenario 1:**

You work as a Sr. Software Test Engineer at Accenture. Your QA manager, John Smith, has asked you to take the lead on an upcoming project in the QA Pipeline. As part of your responsibilities, you've designed a Test Plan and submitted it for approval to John. John has extensive leadership experience in the IT industry and has managed other areas of IT previously. However, John hasn't had much experience in the Quality Assurance world. After reviewing your Test Plan, John asks for some clarification on some of the sections you've created in your Test Plan. Write an Email to John providing more details on the sections he's asked about (listed below) - Test Scope (Features to be tested and Features not to be Tested) - Pass/Fail Criteria - Entry/Exit Criteria - Test Deliverables - Environmental Needs - Responsibilities Be sure to provide an explanation for each of the sections mentioned above in your email. Your email should be professional and succinct.

**Scenario 2:**

You are a Software QA Professional and are now interviewing at Amazon for your next job. While in the interview, the QA Lead taking your interview asks you to explain the difference between Regression Testing and Re-testing. Provide a thorough and complete answer to this interview question.

**Scenario 3:**

You work as a QA Tester at Deloitte and are asked by your QA Lead to create an RTM. You attempt to create one in ALM but there aren't enough licenses for you to log in at the moment. Your QA Lead expects you to provide him with the RTM before the end of the day. What are the main things you would include in the RTM that you would now be creating in MS Excel? Note: you don't need to create an RTM in MS Excel

**Scenario 4:**

You are a Software QA Professional and are now interviewing at Google for your next job. While in the interview, the QA Manager taking your interview asks you the following question: "Let's say you log a bug that you find while executing 1 of your tests cases. But the developer comes back and says that this is not a valid bug. How would you tackle this situation and what would be your next steps?" Provide a thorough and complete answer to this interview question.

