STQM question bank- BSc. CS Vth Semester 2022-23	
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Sr.	Question
1.	Explain different types of testing that is required to test software systems. Justify by selecting few testing types and apply to a case study.
2.	Explain the significance of quality while testing. How is it carried out during the testing cycle? Explain the impact of quality not followed in the testing cycle.
3.	An engineering college wants to automate their examination activities to speed up their work and maintain high-end accuracy of information. A brief overview of the proposed system is given below: The proposed examination system is consisting of 8 semesters spread across 5 branches (assume your own branch names) and spans over a period of 4 years. Each student belongs to a branch and must register for a minimum of 5 courses but not exceed 6 courses maximum. The scoring pattern for each course is given as below: Maximum marks for each course: 100 Pass: 35% Distinction: 70% and above First class: =>60% and <70% Second class: >50% and <60% Pass Class: >=35% and <50% The proposed system computes the result and announces the results every semester. The results must be accurate and all examination records will be maintained till the students leave the college. Develop a methodology to test such a system. Your methodology should address the following: • What are the testing techniques (like black box,..) that are used? • How these methods are used and at what level (like unit, integration…)? • What are the deliverables to your testing methods for each case? List them. • List your own team which you find cost effective to complete the testing activity. **Note:** If you need more information on the requirement specification, you are permitted to assume along with the same line but clearly specify the details.
4	Explain the white box and black box testing technique with an example. Which method is better? List out drawbacks in each method
5	Explain any one technique in black box and white box method to test an application.
6	What are the objectives of Software Testing? Explain different approaches available in testing?
7	Explain the origin of defect distribution in a typical software development life cycle?
8	Design the method to process and track the defects in testing.
9	Explain the code inspection and walkthroughs and its significance in Software Testing? Prepare a typical checklist to be followed while conducting the code walkthroughs.
10	Explain Equivalence partitioning and boundary value analysis with example. List the pros and cons of each method.
11	Explain the boundary value analysis with an example? Why is it important during testing?

12	Write a note on test automation. List few automation tools used for testing.
13	List the guidelines to be followed to create test cases for various GUI environments.
14	How do you test a document? What are the guidelines to be followed?
15	Explain in details validation method of testing software systems.
16	Explain with example the system testing and its complexities.
17	Explain the effectiveness of Unit testing? At what stage of the Software engineering life cycle, unit test must be conducted? Who will do the unit testing? Justify.
18	By using an application, explain integration testing? Explain any one method to carry out integration testing.
19	Explain the concepts of Quality of software. What are the roles and responsibilities of SQA.
20	Write a note on Software reliability.