MCA-I / Semester-II / STQA (2024-25)

Comprehensive Concurrent Evaluation -2 A

Faculty Name: Prof. Eshwari Bihade

Subject: STQA

Subject Code: IT-22

Sr. No.	Component	Marks	Last Date of Submission
1	**Written Home Assignment**	**25**	**24 Feb 2025**

Important Instructions:

1. The subject is evaluated on the basis of given component.
2. Assignments to be submitted in person.
3. Roll No, Student Name, Div, Contact number, Email-id, must be clearly mentioned.

Solve

1. What is software testing? Name the various levels of testing.

2. Explain how the V-Model works and why testing is essential at each stage.

3. What are the key differences between Verification and Validation in terms of their purpose, methods, and outcomes??

4. How do the different phases of the Software Testing Life Cycle contribute to ensuring software quality?

5 How would you explain the difference between Smoke Testing and Sanity Testing in your own words?

MCA-I / Semester-II / STQA (2024-25)

Comprehensive Concurrent Evaluation -2 B

Faculty Name: Prof. Eshwari Bihade

Subject: STQA

Subject Code : IT-22

Sr. No.	Component	Marks	Last Date of Submission
1	**Written Home Assignment**	**25**	7ᵗʰ March 2025

Important Instructions:

1. The subject is evaluated on the basis of given component.
2. Assignments to be submitted in person.
3. Roll No, Student Name, Div., Contact number, Email-id, must be clearly mentioned.

Solve

1. How would you apply testing strategies to overcome one of the challenges faced by QA teams in Software Quality Assurance?

2. Design an SQA plan for a project with limited resources. How would you ensure comprehensive quality assurance coverage under these constraints?

3. Design a quality assurance framework that incorporates essential software quality factors to ensure a high-quality product.

4. How do the building blocks of SQA interact with each other to create an effective quality assurance system?

5. What are the potential risks and consequences of last-minute changes to requirements, and how do they affect project timelines, quality, and costs?

MCA-I / Semester-II / STQA (2024-25)

Comprehensive Concurrent Evaluation -2 C

Faculty Name: Prof. Eshwari Bihade

Subject: STQA

Subject Code: IT-22

Sr. No.	Component	Marks	Last Date of Submission
1	**Written Home Assignment**	**25**	21st March 2025

Important Instructions:

1. The subject is evaluated on the basis of given component.
2. Assignments to be submitted in person.
3. Roll No, Student Name, Div, Contact number, Email-id, must be clearly mentioned.

Solve

1. How would you explain the concept of equivalence partitioning to someone new to software testing?

2. Design a set of test cases for boundary value analysis based on a system that accepts user input for age ranges (e.g., 18-60).

3. A name field in software accepts 3 to 25 alpha characters only. Using BVA technique what will be possible number of combinations?

4. What is path coverage, and how is it used to evaluate the logical flow in code?

5. What is data flow-based testing, and how does it help in testing data interaction within the program?

MCA-I / Semester-II / STQA (2024-25)

Comprehensive Concurrent Evaluation -2 D

Faculty Name: Prof. Eshwari Bihade

Subject: STQA

Subject Code: IT-22

Sr. No.	Component	Marks	Last Date of Submission
1	**Written Home Assignment**	**25**	**2nd April 2025**

Important Instructions:

1. The subject is evaluated on the basis of given component.

2. Assignments to be submitted in person.

3. Roll No, Student Name, Div, Contact number, Email-id, must be clearly mentioned.

Solve

1 Write a detailed Test Plan for online grossary ordering mobile application.

The application functionalities are registration, login, check items, price,

delivery time etc.

2. Create a test scenario and corresponding test cases (both positive and negative) for a login

page, ensuring all possible user inputs are covered.

3. Write a test plan for the following sections of IEEE 829 test plan template for

a online library system.

a) Scope of testing.

b) Objectives.

c) Risks.

d) Strategy.

e) Approach.

4. Write 4 test cases for testing debit card payment form of the payment module

for an e-commerce web application.

5 How would you create an incident report for a critical bug found during system testing?

MCA-I / Semester-II / STQA (2024-25)

Comprehensive Concurrent Evaluation -2 E

Faculty Name: Prof. Eshwari Bihade

Subject: STQA

Subject Code: IT-22

Sr. No.	Component	Marks	Last Date of Submission
1	**Written Home Assignment**	**25**	17th April 2025

Important Instructions:

1. The subject is evaluated on the basis of given component.
2. Assignments to be submitted in person.
3. Roll No, Student Name, Div, Contact number, Email-id, must be clearly mentioned.

Solve

1. Enumerate the limitations of Selenium testing tool.

2. Can you explain the purpose of different types of test tools in CAST?

3. What are the testing types supported by Selenium?

4. What challenges might an organization face when introducing a new testing tool, and how can these challenges be addressed.

5. How would you use JIRA to track bugs, manage test cases, and collaborate with a team during the software development process?