𝑻𝒆𝒔𝒕 𝑷𝒍𝒂𝒏:  
A test plan provides a roadmap for the testing team with a detailed document that outlines the approach, objectives, scope, and schedule of testing activities for a specific project or release. The key components of a test plan include:  
  
1. 𝐓𝐞𝐬𝐭 𝐎𝐛𝐣𝐞𝐜𝐭𝐢𝐯𝐞𝐬: Clearly defined goals and objectives of the testing effort.  
2. 𝐓𝐞𝐬𝐭 𝐒𝐜𝐨𝐩𝐞: The features, functions, and modules of the software that will be tested.  
3. 𝐓𝐞𝐬𝐭 𝐒𝐜𝐡𝐞𝐝𝐮𝐥𝐞: The timeline and milestones for executing the testing activities.  
4. 𝐓𝐞𝐬𝐭 𝐃𝐞𝐥𝐢𝐯𝐞𝐫𝐚𝐛𝐥𝐞𝐬: The documents, reports, and artifacts to be produced during testing.  
5. 𝐓𝐞𝐬𝐭 𝐄𝐧𝐯𝐢𝐫𝐨𝐧𝐦𝐞𝐧𝐭: The hardware, software, and network setup required for testing.  
6. 𝐓𝐞𝐬𝐭 𝐀𝐩𝐩𝐫𝐨𝐚𝐜𝐡: The overall strategy and methodologies to be followed during testing.  
7. 𝐓𝐞𝐬𝐭 𝐂𝐚𝐬𝐞𝐬: The specific test cases or scenarios to be executed.  
8. 𝐓𝐞𝐬𝐭 𝐑𝐞𝐬𝐨𝐮𝐫𝐜𝐞𝐬: The roles, responsibilities, and skills of the testing team members.  
9. 𝐑𝐢𝐬𝐤 𝐀𝐬𝐬𝐞𝐬𝐬𝐦𝐞𝐧𝐭: Identification and evaluation of potential risks and mitigation strategies.  
10. 𝐄𝐧𝐭𝐫𝐲 𝐚𝐧𝐝 𝐄𝐱𝐢𝐭 𝐂𝐫𝐢𝐭𝐞𝐫𝐢𝐚: The conditions for initiating and concluding the testing process.  
  
𝑻𝒆𝒔𝒕 𝑺𝒕𝒓𝒂𝒕𝒆𝒈𝒚:  
A test strategy is a high-level document that defines the overall approach and guidelines for testing a project or product. The main elements of a test strategy include:  
  
1. 𝐓𝐞𝐬𝐭 𝐋𝐞𝐯𝐞𝐥𝐬: The different levels of testing (e.g., unit testing, integration testing, system testing, etc.) to be performed.  
2. 𝐓𝐞𝐬𝐭 𝐓𝐲𝐩𝐞𝐬: The different types of testing (e.g., functional testing, performance testing, security testing, etc.) to be conducted.  
3. 𝐓𝐞𝐬𝐭 𝐓𝐞𝐜𝐡𝐧𝐢𝐪𝐮𝐞𝐬: The specific techniques and methods to be used during testing (e.g., black-box testing, white-box testing, regression testing, etc.).  
4. 𝐓𝐞𝐬𝐭 𝐓𝐨𝐨𝐥𝐬: The testing tools and software to be utilized for test automation, defect tracking, test management, etc.  
5. 𝐓𝐞𝐬𝐭 𝐄𝐧𝐯𝐢𝐫𝐨𝐧𝐦𝐞𝐧𝐭𝐬: The various environments required for testing (e.g., development, staging, production) and their configurations.  
6. 𝐓𝐞𝐬𝐭 𝐃𝐚𝐭𝐚 𝐌𝐚𝐧𝐚𝐠𝐞𝐦𝐞𝐧𝐭: How test data will be generated, stored, and managed.  
7. 𝐃𝐞𝐟𝐞𝐜𝐭 𝐌𝐚𝐧𝐚𝐠𝐞𝐦𝐞𝐧𝐭: The process for reporting, tracking, and resolving defects discovered during testing.  
8. 𝐓𝐞𝐬𝐭 𝐓𝐞𝐚𝐦: The roles, responsibilities, and skills required for the testing team.  
9. 𝐓𝐞𝐬𝐭 𝐌𝐞𝐭𝐫𝐢𝐜𝐬: The metrics to be collected and analyzed to assess the effectiveness and progress of testing.  
10. 𝐓𝐞𝐬𝐭 𝐑𝐢𝐬𝐤𝐬: Identification and assessment of risks associated with testing and the mitigation plans.