

1. Explain **the role of test estimation in effective test management and planning.**  
How can incorrect estimation influence the **smooth completion of testing, risk handling, and stakeholder confidence?** Marks 4

### Answer

Test estimation plays a vital role in effective test management and planning. It involves **predicting the required time, resources, and cost to complete testing activities**. When estimation is done correctly, it ensures that the testing process is completed **smoothly and on time**, as emphasized in the slide.

Incorrect estimation can have serious consequences:

- **Project Delays:** Underestimating the time or effort needed may result in delayed testing, affecting overall project timelines and product release.
- **Poor Risk Management:** Without realistic estimates, it's hard to prepare for unexpected issues such as defects, rework, or resource unavailability.
- **Stakeholder Mistrust:** If the team promises to finish faster or with fewer resources than realistically possible, and then fails to deliver, it can lead to disappointment and loss of trust from clients and managers.