

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
THIRD SEMESTER M. TECH DEGREE EXAMINATION**

**Computer Science and Engineering
(Computer Science and Systems Engineering)
04CS7405 – ADVANCED SOFTWARE TESTING**

Max. Marks: 60

Duration: 3 Hours

PART A

Answer All Questions

Each question carries 3 marks

1. What are the three process required to becoming a world class testing organization? And list two components of the software development process.
2. 'Error guessing is an ad hoc approach for testing. 'Comment on this statement.
3. What do you mean by Suitability testing?
4. Compare multiple document interface and single document interface with suitable examples.
5. Distinguish between recoverability testing and reliability testing.
6. Outline Software related issues of mobile web based platform testing.
7. Illustrate the Testing goals and responsibilities of security team. And identify the members involved.
8. Define software testing maturity model.

PART B

Each question carries 6 marks

9. Discuss the seven layer of testing process with a suitable diagram.

OR

10. Take a project and identify the Test Activities according to SDLC phases.
11. How do you calculate the number of decision nodes for switch cases? Explain it.

OR

12. Considering the user interface for the Telephone Banker:

- a. Outline a set of attacks that could be made.
- b. For each attack, depict how you might make that attack.

For each attack, list the type of defect you are trying to force.

13. You are doing performance testing for the system your company sells. You have been running the system for over a week straight, pumping huge volumes of data through it. What kind of testing are you most likely performing? Discuss it.

OR

14. Explain about Security issues in Technical testing.

15. What do you mean by Web application model testing? Draw a web system architecture model.

OR

16. Give a brief note on Bug inheritance with suitable example.

17. Explain Trusted computational base in detail.

OR

18. With a neat sketch explain the various levels of software CMM

19. Define the term critical testing process. Discuss it.

OR

20. Summarize Testing tool and automation. List any two testing tools do you familiarized.