[Total No. of Printed Pages: 2

Describe testing maturity model.

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Explain different reliability model.

What is the use of a software test plan document in testing? Is there any standard available.

[2]

Explain stress, load and performance testing.

What is the relationship between testability and complexity? Discuss the factors which affect the software testability.

b) What are several factors that influence major components of a performance test report?

Write short note on:

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- Test director
- Scalability test
- Win Runner
- Testing tools

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Note: Attempt any five questions. All questions carry equal marks.

- What are logical bugs? How are they different from syntax bugs? How can we handle logical bugs effectively?
  - Differentiate between the V-shaped software life cycle model and the waterfall model.
- What is software testing? What are the limitations of testing? Discuss with the help of examples.
  - Consider a program to perform binary search and generate the test cases using equivalence class testing and decision table based testing.
- What is cyclomatic complexity? Discuss different ways to compute it with examples.
  - What is mutation testing? What is the purpose of mutation score? Why are higher order mutants not preferred? 7
- Differentiate between black box and white box testing. Consider a program to find the largest number amongst three numbers generates test cases using one black box testing and one white box testing technique.
  - What are the differences between inspections and walk throughs? Compare the relative merits of both.

PTO

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