



Choose the right answers and write them in your answer sheet model (7)

PART A

1. MTTF stands for
a. Minimum time to failure b. Mean time to failure c. Maximum time to failure d. None of the mentioned
2. Specifications of the inputs to the test and the expected output from the system known as
a. Test data b. Test cases c. Test scenarios d. Test suite
3. Impact analysis and release planning are the activities of.....
a. Change identification b. Change implementation process
c. Software evolution process d. Change identification and evolution processes
4. Which component composition type involve putting the interfaces of two components to create a new component?
a. Parallel composition b. Sequential composition c. Hierarchical composition d. Additive composition
5. Which security requirements used to specify what mechanisms should be used to detect attacks on the system?
a. Security auditing b. Immunity c. Non-repudiation d. Intrusion detection

PART B

1. Threats that allow an attacker to insert false information into a system known as
a. Interruption b. Interception c. Fabrication d. Modification
2. Exception handling is a mechanism to provide
a. Protection systems b. Self-monitoring architectures c. Fault tolerance d. Fault Avoidance
3. Which of the following is a continuous process of improvement throughout the development and evolution process?
a. Forward engineering b. Reverse Engineering c. Reengineering d. Refactoring
4. Which of the following examples does not involve dependability engineering?
a. Flight control systems b. Reactor systems c. Telecommunication systems d. Library Management
5. Any software that brings harm to a computer system is
a. Malicious software b. Security software c. Bad software d. Dependable software

PART C

1. "When a calling component calls another component and makes an error in its use of its interface. "Which category of Interface errors the example belongs to?
a. Interface misunderstanding b. Interface misuse c. Interface timing errors d. Interface conflict
2. Adding security features to a system to enhance its security affects other attributes of the system like
a. Performance b. Usability c. Reliability d. Both Performance and usability
3. Using strong typed programming language to allow extensive compiler checking considered as a technique of
a. Fault avoidance b. Fault detection c. Fault tolerance d. Error tolerance
4. Software Testing with real data in real environment is known as
a. Alpha testing b. Beta testing c. Regression testing d. Load testing
5. Changing system in response to to changing customer needs is
a. Design b. Validation c. Evolution d. Management

PART D

1. The first stage in the change implementation process is
a. Change assessment b. Change costing c. Change control board d. Proposed changes
2. Alpha testing is done at
a. User's end b. Developer's end c. User's & Developer's end d. System's end
3. Program modularization and Source code translation are the activities of
a. Software engineering b. Evolution process c. software re-engineering d. Reverse engineering
4. Which of the following is non-functional testing?
a. Black box testing b. Performance testing c. Unit testing d. Green box testing
5. Which of the following tool used to scan the ports on each of the IP addresses ?
a. Whois b. harvester c. Nmap d. Hmap