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PCET
Certified Entry-Level Tester with Python

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Question: 1

Which of the following are advantages of integrating testing early in SDLC?
Response:

A. Improved test coverage
B. Reduced developer workload
C. Early bug detection
D. Improved documentation

Answer: A,C

Question: 2

Which white-box technique ensures that each possible branch in decision structures is tested?
Response:

A. Boundary value analysis
B. Statement coverage
C. Branch coverage
D. Functional coverage

Answer: C

Question: 3

A team tests an online form using black-box techniques. They design test cases based on input ranges, decision conditions, and required outputs. Which testing methods are being applied?
Response:

A. Equivalence partitioning
B. Branch coverage
C. Boundary value analysis
D. Decision table testing
E. Error guessing

Answer: A,C,D

Question: 4

In the test pyramid, which layer typically contains the largest number of tests?
Response:

A. Manual UI tests
B. Unit tests
C. End-to-end tests
D. Performance tests

Answer: B

Question: 5

Which level of testing is performed by end-users to validate business requirements before release?
Response:

A. Unit testing
B. System testing
C. Acceptance testing
D. Integration testing

Answer: C

Question: 6

During testing of a finance app, testers notice that repeating the same test cases no longer uncovers new defects. They shift strategy to exploratory testing and user-based feedback. Which testing concepts or principles are demonstrated?
Response:

A. Pesticide paradox
B. Black-box testing
C. Experience-based testing
D. Defect clustering
E. Validation

Answer: A,C,E

Question: 7

Which of the following best describes the relationship among error, defect, and failure?
Response:

A. Error leads to failure, which leads to defect
B. Failure leads to defect, which leads to error
C. Error leads to defect, which may lead to failure
D. Defect leads to error, which causes failure

Answer: C

Question: 8

Which Python statement is used to enforce assumptions and validate logic during development?
Response:

A. check
B. assert
C. inspect
D. validate

Answer: B

Question: 9

Why is software testing essential in modern development practices?
Response:

A. It accelerates product launch without risk
B. It ensures security and performance compliance
C. It validates that requirements are implemented correctly
D. It prevents the need for refactoring

Answer: B,C

Question: 10

What kind of testing aims to validate that software meets legal, regulatory, and policy requirements?
Response:

A. Usability testing
B. Compliance testing

C. Regression testing
D. Integration testing

Answer: B

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