**QUESTION 458**

By far, the largest security exposure in application system development relates to

A.  Maintenance and debugging hooks.
B.  Deliberate compromise.
C.  Change control.
D.  Errors and lack of training.

**Correct Answer: A**

**QUESTION 459**

Which of the following is a 5th Generation Language?

A.  LISP
B.  BASIC
C.  NATURAL
D.  Assembly Language

**Correct Answer: A**

**QUESTION 460**

When considering the IT Development Life-Cycle, security should be:

A.  Mostly considered during the initiation phase.
B.  Mostly considered during the development phase.
C.  Treated as an integral part of the overall system design.
D.  Add once the design is completed.

**Correct Answer: C**

**QUESTION 461**

Which of the following represents the best programming?

A.  Low cohesion, low coupling.
B.  Low cohesion, high coupling.
C.  High cohesion, low coupling.
D.  High cohesion, high coupling.

**Correct Answer: C**

**QUESTION 462**
The INITIAL phase of the system development life cycle would normally include

A. Cost-benefit analysis
B. System design review
C. Executive project approval
D. Project status summary

**Correct Answer: C**

**QUESTION 463**
Which of the following computer design approaches is based on the fact that in earlier technologies, the instruction fetch was the longest part of the cycle?

A. Pipelining
B. Reduced Instruction Set Computers (RISC)
C. Complex Instruction Set Computers (CISC)
D. Scholar processors

**Correct Answer: C**

**QUESTION 464**
Which one of the following tests determines whether the content of data within an application program falls within predetermined limits?

A. Parity check
B. Reasonableness check
C. Mathematical accuracy check
D. Check digit verification

**Correct Answer: B**

**QUESTION 465**
Buffer overflow and boundary condition errors are subsets of:

A. Race condition errors
B. Access validation errors
C. Exceptional condition handling errors
D. Input validation errors

**Correct Answer: D**

**QUESTION 466**

Which of the following statements pertaining to software testing approaches is correct?

A. A bottom-up approach allows interface errors to be detected earlier.
B. A top-down approach allows errors in critical modules to be detected earlier.
C. The test plan and results should be retained as part of the system's permanent documentation.
D. Black box testing is predicated on a close examination of procedural detail.

**Correct Answer: C**

**QUESTION 467**

Which of the following phases of a system development life-cycle is most concerned with authenticating users and processes to ensure appropriate access control decisions?

A. Development/acquisition
B. Implementation
C. Operation/Maintenance
D. Initiation

**Correct Answer: C**

**QUESTION 468**

Which of the following would be the most serious risk where a systems development life cycle methodology is inadequate?

A. The project will be completed late.
B. The project will exceed the cost estimates.
C. The project will be incompatible with existing systems.
D. The project will fail to meet business and user needs.

**Correct Answer: D**

**QUESTION 469**

Which of the following would best describe the difference between white-box testing and black-box testing?

A. White-box testing is performed by an independent programmer team.
B. Black-box testing uses the bottom-up approach.
C. White-box testing examines the program internal logical structure.
D. Black-box testing involves the business units.

**Correct Answer: C**

**QUESTION 470**
Which of the following refers to the work product satisfying the real-world requirements and concepts?

A. validation
B. verification
C. concurrence
D. accuracy

**Correct Answer: A**

**QUESTION 471**
Which model, based on the premise that the quality of a software product is a direct function of the quality of its associated software development and maintenance processes, introduced five levels with which the maturity of an organization involved in the software process is evaluated?

A. The total Quality Model (TQM)
B. The IDEAL Model
C. The Software Capability Maturity Model
D. The Spiral Model

**Correct Answer: C**

**QUESTION 472**
Which of the following would provide the best stress testing environment?

A. Test environment using test data.
B. Test environment using live workloads.
C. Production environment using test data.
D. Production environment using live workloads.

**Correct Answer: B**

**QUESTION 473**

In a change control environment, which one of the following REDUCES the assurance of proper changes to source programs in production status?

A.  Authorization of the change.
B.  Testing of the change.
C.  Programmer access.
D.  Documentation of the change.

**Correct Answer: C**


**QUESTION 474**

Why should batch files and scripts be stored in a protected area?

A.  Because of the least privilege concept.
B.  Because they cannot be accessed by operators.
C.  Because they may contain credentials.
D.  Because of the need-to-know concept.

**Correct Answer: C**


**QUESTION 475**

The PRIMARY purpose of operations security is

A.  Protect the system hardware from environment damage.
B.  Monitor the actions of vendor service personnel.
C.  Safeguard information assets that are resident in the system.
D.  Establish thresholds for violation detection and logging.

**Correct Answer: C**


**QUESTION 476**

Which of the following is not a component of a Operations Security "triples"?

A.  Asset
B.  Threat
C.  Vulnerability
D.  Risk

**Correct Answer: D**