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**QUESTION 1**

_____ consists of very large-scale virtualized, distributed computing systems. They cover multiple administrative domains and enable virtual organizations.

- A. Edge computing
- B. Grid computing
- C. Cloud computing
- D. Virtualized computing

Correct Answer: B

Grid computing is a system that is very large scaled, distributed, and virtualized. Answer option C is incorrect. Cloud computing is about delivering software or operating systems as a service, rather than installing them locally.

Answer option A is incorrect. Edge computing is about load balancing servers, literally on the edge of the network.

Answer option D is incorrect. Virtualized computing is about the way the system is hosted, not necessarily the servers distribution {as with cloud and grid computing}.

QUESTION 2

In which of the following phases of the System Development Life Cycle (SDLC) is the IT system designed, purchased, and programmed?

- A. Operation/Maintenance
- B. Development/Acquisition
- C. Disposal
- D. Initiation

Correct Answer: B

Answer option B is correct.

There are five phases in the SDLC, The characteristics of each of these phases are enumerated below: Phase 1: Phase 1 of the SDLC is known as initiation. In this phase, the need for an IT system is expressed and the purpose and scope of the IT system is documented.

Phase 2: Phase 2 of the SDLC is known as development or acquisition. In this phase, the IT system is designed, purchased, and programmed.

Phase 3: Phase 3 of the SDLC is known as implementation. This phase involves the system security features. The system security features should be configured, enabled, tested, and verified.

Phase 4: Phase 4 of the SDLC is known as operation or maintenance. This phase describes that the system should be modified on a regular basis through the addition of hardware and software.



Phase 5: Phase 5 of the SDLC is known as disposal. This phase involves disposition of information, hardware, and software.

QUESTION 3

Which of the following security practices are included in the Implementation phase of the Security Development Lifecycle (SDL)? Each correct answer represents a complete solution. Choose two.

- A. Establish Design Requirements
- B. Perform Static Analysis
- C. Use Approved Tools
- D. Execute Incident Response Plan

Correct Answer: ABC

Security practices performed during each phase of the Security Development Lifecycle (SDL) process are as follows:



| Phases | Security Practices |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Training | <ul style="list-style-type: none">• Core Security Training |
| Requirements | <ul style="list-style-type: none">• Security and Privacy Requirements• Create Quality Gates/Bug Bars• Security and Privacy Risk Assessment |
| Design | <ul style="list-style-type: none">• Establish Design Requirements• Attack Surface Analysis/Reduction• Threat Modeling |
| Implementation | <ul style="list-style-type: none">• Use Approved Tools• Deprecate Unsafe Functions• Perform Static Analysis |
| Verification | <ul style="list-style-type: none">• Perform Dynamic Analysis• Fuzz Testing• Attack Surface Review |
| Release | <ul style="list-style-type: none">• Incident Response Plan• Final Security Review• Release/Archive |
| Response | <ul style="list-style-type: none">• Execute Incident Response Plan |



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**QUESTION 4**

In which of the following level of likelihood is the threat-source highly motivated and sufficiently capable, and controls to prevent the vulnerability from being exercised are ineffective?

- A. Average
- B. Low
- C. High
- D. Medium

Correct Answer: C

Answer option C is correct. Following are the three levels of likelihood:

High: In this level, the threat-source is highly motivated and sufficiently capable, and controls to prevent the vulnerability from being exercised are ineffective.

Medium: In this level the threat-source is motivated and capable, but controls are in place that may impede successful exercise of the vulnerability.

Low: In this level, the threat-source lacks motivation or capability, or controls are in place to prevent, or at least significantly impede, the vulnerability from being exercised.

QUESTION 5

What of the following statements is true about voice VLAN?

- A. It is used to separate VPN traffic from voice traffic.
- B. It is used to separate common user data traffic from TCP traffic.
- C. It is used to separate common user data traffic from HTTP traffic.
- D. It is used to separate common user data traffic from voice traffic.

Correct Answer: D

The voice VLAN is used to separate common user data traffic from the voice traffic. It enables a single access port to accept untagged data traffic. Users can access tagged voice traffic and associate each type of traffic with distinct and separate VLANs. It gives a higher priority to voice traffic than common user data traffic.

Answer options B, C, and A are incorrect. These statements are not true about voice VLAN.



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