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**QUESTION 1**

Which of the following are the advantages of the Virtual Desktop Infrastructure (VDI)? Each correct answer represents a complete solution. Choose three.

- A. Cost Efficiency
- B. Green Solution
- C. Improved Manageability
- D. Server-Hosted

Correct Answer: ABC

The Virtual Desktop Infrastructure (VDI) is used to virtualize the desktop environment delivering enterprise-class control, and to increase the manageability. It maintains the familiar end-user environment. It virtualizes the desktop images that are deployed from a centralized hosting server. It provides the end user with a virtual PC that works same as their current PC. It is used to consolidate the number of servers that support desktops. It has the following advantages:

1.
Green Solution
 2.
Cost Efficiency
 3.
Improved Manageability
 4.
Central management of files and user's profile.
-

QUESTION 2

Which of the following terms is about communicating the user's need and ability to communicate, and the medium through which that communication may occur?

- A. Data sharing
- B. Presence
- C. Instant messaging
- D. Audio conferencing

Correct Answer: B



Presence, in the world of telephony, is about communicating the user's need and ability to communicate, and the medium through which that communication may occur. If a user is connected to the Internet, presence may dictate that the user wants to be reached through the medium of IP telephony. The point of presence is to allow the user to be located and contacted wherever the user is physically using the preferred method of the user.

Answer option A is incorrect. Data sharing is one important element of collaboration. H.323 also offers data sharing as an optional capability. Data sharing is the practice of making data used for scholarly research available to other investigators.

Answer option D is incorrect. Audio conferencing is a method of communication in which the calling party wishes to have more than one called party listens in to the audio portion of the call. The conference calls may be designed to allow the called party to participate during the call, or the call may be set up so that the called party merely listens into the call and cannot speak. It can be designed so that the calling party calls the other participants and adds them to the call.

Answer option C is incorrect. Instant messaging (IM) is a form of real-time direct text-based communication between two or more people using personal computers or other devices, along with shared software clients. The user's text is conveyed over a network, such as the Internet. More advanced instant messaging software clients also allow enhanced modes of communication, such as live voice or video calling.

IM falls under the umbrella term online chat, as it is a real-time text-based networked communication system, but is distinct in that it is based on clients that facilitate connections between specified known users (often using Buddy List, Friend List or Contact List), whereas online chat also includes web-based applications that allow communication between users in a multi-user environment.

QUESTION 3

Which of the following are the benefits of public cloud computing? Each correct answer represents a complete solution. Choose three.

- A. Sensitive data
- B. Scalability
- C. Automation
- D. Elasticity

Correct Answer: BCD

Following are the benefits of public cloud computing that you get with a private cloud computing:

Reliability and predictability

Automation (self healing and self-service)

Scalability

Elasticity

Answer option A is incorrect. In public cloud computing, sensitive data is not secure since sensitive data is shared beyond the corporate firewall.



QUESTION 4

Which of the following elements of security means that the only authorized users are able to modify data?

- A. Authenticity
- B. Availability
- C. Confidentiality
- D. Integrity

Correct Answer: D

There are four elements of security, which are as follows:

Confidentiality: It means that data should only be accessible by authorized users. This access includes printing, displaying, and other forms of disclosure, including simply revealing the existence of an object.

Integrity: it means that the only authorized users are able to modify data. Modification admits writing, changing, changing status, deleting, and creating.

Availability: It means that data should only be available to authorized users.

Authenticity: it means that a host or service should be able to verify the identity of a user.

QUESTION 5

Which of the following processes is used to ensure that standardized methods and procedures are used for efficient handling of all changes?

- A. Exception management
- B. Configuration Management
- C. Risk Management
- D. Change Management

Correct Answer: D

Change Management is used to ensure that standardized methods and procedures are used for efficient handling of all changes. A change is "an event that results in a new status of one or more configuration items (CIs)" approved by management, cost effective, enhances business process changes (fixes) - with a minimum risk to IT infrastructure. The main aims of Change Management are as follows:

Minimal disruption of services

Reduction in back-out activities

Economic utilization of resources involved in the change Answer option B is incorrect. Configuration Management (CM) is an Information Technology Infrastructure Library (ITIL) IT Service Management (ITSM) process. It tracks all of the individual Configuration Items (CI) in an IT system, which may be as simple as a single server, or as complex as the entire IT department. In large organizations a configuration manager may be appointed to oversee and manage the CM process.



Answer option A is incorrect. Exception management is a process in which experienced personnel and software tools are used to investigate, resolve, and handle process deviation, malformed data, infrastructure or connectivity issues. It increases the efficiency of business processes and contributes in the progress of business.

Answer option C is incorrect. Risk Management is used to identify, assess, and control risks. It includes analyzing the value of assets to the business, identifying threats to those assets, and evaluating how vulnerable each asset is to those threats. Risk Management is part of Service Design and the owner of the Risk Management is the Risk Manager.

Risks are addressed within several processes in ITIL V3; however, there is no dedicated Risk Management process. ITIL V3 calls for "coordinated risk assessment exercises", so at IT Process Maps we decided to assign clear responsibilities for managing risks.

QUESTION 6

Which of the following department in an organization is responsible for documenting and the controlling the incoming and outgoing cash flows as well as the actual handling of the cash flows?

- A. Human Resource
- B. Financial
- C. Stakeholder
- D. Management

Correct Answer: B

Roles and responsibilities of the finance department are important for the smooth operation of the business. The most common function of this department is the documentation and controlling of incoming and outgoing cash flows as well as the actual handling of the cash flows. The responsibilities of the finance department are as follows:

Budget management

Grants management

Salary administration

Property management

Purchasing

Handling cash

Answer option D is incorrect. It is the responsibility of management to ensure that employees are provided for in terms of finances, health care, and other related economic issues as well as making certain that more ethereal social issues, such as community viability and emotional stability are positive.

Answer option A is incorrect. The responsibilities of HR (Human Resource) depend on the size of the organization. HR directors and HR managers head up several different departments that are led by functional or specialized HR staff, such as the training manager, the compensation manager, or the recruiting manager.

Answer option C is incorrect. Stakeholder has direct or indirect stake in an organization. Key stakeholders in a business organization include creditors, customers, directors, employees, government, owners, suppliers, unions, and the community from which the business draws its resources.

**QUESTION 7**

Juan is trying to perform a risk analysis of his network. He has chosen to use OCTAVE. What is OCTAVE primarily used for?

- A. A language for vulnerability assessment
- B. A comprehensive risk assessment model
- C. A threat assessment tool
- D. An impact analysis tool

Correct Answer: B

OCTAVE, or Operationally Critical, Threat, Asset and Vulnerability Evaluation is a comprehensive risk assessment model. Answer option A is incorrect. OVAL, or Open Vulnerability Assessment Language is the language for vulnerability assessment. Answer options C and D are incorrect. Threat assessment and impact analysis are both part of OVAL, but only a part

QUESTION 8

Which of the following is the capability to correct flows in the existing functionality without affecting other components of the system?

- A. Manageability
- B. Reliability
- C. Maintainability
- D. Availability

Correct Answer: C

Availability: It is used to make certain that a service/resource is always accessible.

Manageability: It is the capability to manage the system for ensuring the constant health of the system with respect to scalability, reliability, availability, performance, and security.

Maintainability: It is the capability to correct flows in the existing functionality without affecting other components of the system.

Answer option B is incorrect. It is not a valid option.

QUESTION 9

ESA stands for Enterprise Security Architecture. What is the purpose of ESA?

- A. To provide a framework for securing web applications.



- B. To provide a framework for evaluating vulnerabilities.
- C. To apply financial security concepts to network security.
- D. To apply network architecture paradigms to network security.

Correct Answer: D

Enterprise Security Architecture is about applying network architecture principles to network security.

Answer option B is incorrect. Open Vulnerability and Assessment Language is a standard to assess vulnerabilities in a system.

Answer option A is incorrect. The Open Web Application Security Project is a set of standards for security web applications.

Answer option C is incorrect. There is not a model for applying financial security paradigms to network security.

QUESTION 10

Network boundaries can be logical or physical. Which of the following are boundaries a network administrator cannot control?

- A. Informational
- B. Logical
- C. External
- D. Physical

Correct Answer: C

External boundaries are those outside your network. This term does not refer to your network perimeter. A network administrator cannot control external boundaries. Answer options D and B are incorrect. Physical and logical boundaries are two broad classes of boundaries that are under your administrative control. Answer option A is incorrect. An information domain is a legitimate domain the administrator must address. Information domain arises from the practice of partitioning information resources according to access control, need, and levels of protection required.

QUESTION 11

Denish works as a Security Administrator for a United States defense contractor. He wants to ensure that all systems have appropriate security precautions, based on their total score. Which of the following standards should he refer to?

- A. OVAL
- B. OWASP
- C. CIA
- D. DIACAP

Correct Answer: D



Defense IA Certification and Accreditation Process (DIACAP) is the process for accrediting defense related information systems.

Answer option B is incorrect. The Open Web Application Security Process (OWASP) is a process for ensuring web applications are written securely.

Answer option A is incorrect. The Open Vulnerability Assessment Language (OVAL) is used to assess vulnerabilities.

Answer option C is incorrect. Confidentiality, Integrity, and Availability (CIA) are the three areas of security that are scored, not a standard.

QUESTION 12

A user can divide network traffic into which of the following classes of service? Each correct answer represents a complete solution. Choose three.

- A. Video payload
- B. Voice and video payload
- C. Voice payload
- D. Voice and video signal traffic

Correct Answer: ACD

A user can divide network traffic into the following three classes of service:

Voice payload: Voice calls are a major part of network traffic, so a network traffic is mainly divided in this class.

Video payload: Video traffic has variable packet rates and slightly variable bit rates, so this class is used to separate the video traffic.

Voice and video signal traffic: This traffic is treated as a data application in QoS. In this class, protocols are used to tolerate jitter and delay.

Answer option B is incorrect. It is not a valid option.

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