IP spaces?

A. PLAN
B. WAN
C. LAN
D. VLAN

Correct Answer: D
Explanation:
A virtual area network (VLAN) allows the logical separation and isolation of networks and IP spaces to provide enhanced security and controls.

QUESTION 16
Which of the following standards primarily pertains to cabling designs and setups in a data center?

A. IDCA
B. BICSI
C. NFPA
D. Uptime Institute

Correct Answer: B
Explanation:
The standards put out by Building Industry Consulting Service International (BICSI) primarily cover complex cabling designs and setups for data centers, but also include specifications on power, energy efficiency, and hot/cold aisle setups.

QUESTION 17
Which of the following publishes the most commonly used standard for data center design in regard to tiers and topologies?

A. IDCA
B. Uptime Institute
C. NFPA
D. BICSI

Correct Answer: B
Explanation:
The Uptime Institute publishes the most commonly used and widely known standard on data center tiers and topologies. It is based on a series of four tiers, with each progressive increase in number representing more stringent, reliable, and redundant systems for security, connectivity, fault tolerance, redundancy, and cooling.

QUESTION 18
What type of segregation and separation of resources is needed within a cloud environment for multitenancy purposes versus a traditional data center model?

A. Virtual
B. Security
C. Physical

D. Logical

Correct Answer: D
Explanation:
Cloud environments lack the ability to physically separate resources like a traditional data center can. To compensate, cloud computing logical segregation concepts are employed. These include VLANs, sandboxing, and the use of virtual network devices such as firewalls.

QUESTION 19
Which United States law is focused on data related to health records and privacy?

A. Safe Harbor
B. SOX
C. GLBA
D. HIPAA

Correct Answer: D
Explanation:
The Health Insurance Portability and Accountability Act (HIPAA) requires the U.S. Federal Department of Health and Human Services to publish and enforce regulations pertaining to electronic health records and identifiers between patients, providers, and insurance companies. It is focused on the security controls and confidentiality of medical records, rather than the specific technologies used, so long as they meet the requirements of the regulations.

QUESTION 20
What is used for local, physical access to hardware within a data center?

A. SSH
B. KVM
C. VPN
D. RDP

Correct Answer: B
Explanation:
Local, physical access in a data center is done via KVM (keyboard, video, mouse) switches.

QUESTION 21
Within an Infrastructure as a Service model, which of the following would NOT be a measured service?

A. CPU
B. Storage
C. Number of users
D. Memory

Correct Answer: C
Explanation:
Within IaaS, the number of users on a system is not relevant to the particular hosting model in regard to cloud resources. IaaS is focused on infrastructure needs of a system or application. Therefore, a factor such as the number of users that could affect licensing requirements, for example, would apply to the SaaS model, or in some instances to PaaS.

QUESTION 22
Which of the following is NOT a criterion for data within the scope of eDiscovery?

A. Possession
B. Custody
C. Control
D. Archive

Correct Answer: D
Explanation:
eDiscovery pertains to information and data that is in the possession, control, and custody of an organization.

QUESTION 23
Which United States law is focused on accounting and financial practices of organizations?

A. Safe Harbor
B. GLBA
C. SOX
D. HIPAA

Correct Answer: C
Explanation:
The Sarbanes-Oxley (SOX) Act is not an act that pertains to privacy or IT security directly, but rather regulates accounting and financial practices used by organizations. It was passed to protect stakeholders and shareholders from improper practices and errors, and it sets forth rules for compliance, regulated and enforced by the Securities and Exchange Commission (SEC). The main influence on IT systems and operations is the requirements it sets for data retention, specifically in regard to what types of records must be preserved and for how long.

QUESTION 24
What type of masking strategy involves making a separate and distinct copy of data with masking in place?

A. Dynamic
B. Replication
C. Static
D. Duplication

Correct Answer: C
Explanation:
With static masking, a separate and distinct copy of the data set is created with masking in place. This is typically done through a script or other process that takes a standard data set, processes it to mask the appropriate and predefined fields, and then outputs the data set as a new one with the completed masking done.

QUESTION 25
Which of the following storage types is most closely associated with a database-type storage implementation?

A. Object

B. Unstructured
C. Volume
D. Structured

Correct Answer: D
Explanation:
Structured storage involves organized and categorized data, which most closely resembles and operates like a database system would.

QUESTION 26
Which of the following roles is responsible for overseeing customer relationships and the processing of financial transactions?

A. Cloud service manager
B. Cloud service deployment
C. Cloud service business manager
D. Cloud service operations manager

Correct Answer: C
Explanation:
The cloud service business manager is responsible for overseeing business plans and customer relationships as well as processing financial transactions.

QUESTION 27
Which protocol does the REST API depend on?

A. HTTP
B. XML
C. SAML
D. SSH

Correct Answer: A
Explanation:
Representational State Transfer (REST) is a software architectural scheme that applies the components, connectors, and data conduits for many web applications used on the Internet. It uses and relies on the HTTP protocol and supports a variety of data formats.

QUESTION 28
Which United States program was designed to enable organizations to bridge the gap between privacy laws and requirements of the United States and the European Union?

A. GLBA
B. HIPAA
C. Safe Harbor
D. SOX

Correct Answer: C
Explanation:

Due to the lack of an adequate privacy law or protection at the federal level in the United States, European privacy regulations generally prohibit the exporting or sharing of PII from Europe with the United States. Participation in the Safe Harbor program is voluntary on behalf of an organization, but it does require them to conform to specific requirements and policies that mirror those from the EU. Thus, organizations can fulfill requirements for data sharing and export and possibly serve customers in the EU.

QUESTION 29
What is the biggest benefit to leasing space in a data center versus building or maintain your own?

A. Certification
B. Costs
C. Regulation
D. Control

Correct Answer: B
Explanation:
When leasing space in a data center, an organization can avoid the enormous startup and building costs associated with a data center, and can instead leverage economies of scale by grouping with other organizations and sharing costs.

QUESTION 30
Which of the following security measures done at the network layer in a traditional data center are also applicable to a cloud environment?

A. Dedicated switches
B. Trust zones
C. Redundant network circuits
D. Direct connections

Correct Answer: B
Explanation:
Trust zones can be implemented to separate systems or tiers along logical lines for great security and access controls. Each zone can then have its own security controls and monitoring based on its particular needs.

QUESTION 31
Which aspect of cloud computing will be most negatively impacted by vendor lock-in?

A. Elasticity
B. Reversibility
C. Interoperability
D. Portability

Correct Answer: D
Explanation:
A cloud customer utilizing proprietary APIs or services from one cloud provider that are unlikely to be available from another cloud provider will most negatively impact portability.