Questions

Topic / Module: DCM

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Q. No. 1

Question:

In Load-Balancing Terminology, a _____ is a load balancer that distributes client requests to a group of servers, placed behind it.

Answer Choices

A: GUI
B: Web Server Farm
C: Back-end machine
D: Front-end machine

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: D

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Q. No. 2

Question:

In Load-Balancing Terminology, a _____ is a group of Web servers hidden behind the load balancer (or front-end machine) that process incoming Web requests.

Answer Choices

A: GUI
B: Web Server Farm
C: Botnet
D: Honey pot

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 3

Question:

In Load-Balancing Terminology, a Web Server Farm is also known as _____

Answer Choices

A: GUI
B: Botnet Servers
C: Back-end Servers
D: Front-end Servers

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: C

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Q. No. 4
Question:

In Load-Balancing , the front-end machine has an _____

Answer Choices

A: Internet non-routable IP address
B: Internet routable IP address
C: Both Internet routable IP address and Internet non-routable IP address
D: None of the above.

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 5

Question:

In Load-Balancing Terminology, a _____ is a   server farm consisting of two or more server farms.

Answer Choices

A: Giant-farm
B: Super-farm
C: Mega-farm
D: Giga-farm

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 6

Question:

In Load-Balancing Terminology, _____ is the capability of a load balancer to direct data flows from certain browser clients to the same server in the farm.

Answer Choices

A: Routability
B: Forwardability
C: Accountability
D: Stickiness

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: D

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Q. No. 7

Question:

In Load Balancing, RRDNS stands for _____

Answer Choices

A: Re-Routable Domain Name Service

B: Round-Robin Domain Name Service

C: Re-Relatable Domain Name Service

D: None of the above

Difficulty Level: Difficult

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 8

Question:

In DNS terminology, SOA stands for

Answer Choices

A: Start of Application
B: Statement of Authority
C: Start of Authority
D: Statement of Application

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: C

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Q. No. 9
Question:

_____is the capability of a host or subsystem to recover from a component failure without service interruption.

Answer Choices
A: Load Balancing
B: Efficiency
C: Utilization
D: Fault tolerance

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: D

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Q. No. 10

Question:

_____ is a component's average time between failures.

Answer Choices

A: MSTF
B: MTBF
C: MSBF
D: MTTF

Difficulty Level: Easy
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 11

Question:

Which WAN technology that is used to connect a small ISP or large business to a regional ISP, and a regional ISP to an Internet backbone, uses fixed-length packets, called cells, to transmit data, voice, video, and frame relay traffic?

Answer Choices
A: ATM
B: E1/E3
C: Frame Relay
D: T1/T3

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: A

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Q. No. 12
Question:

Which type of network cable transmits digital signals in the form of pulses of light?

Answer Choices

A: Coaxial
B: UTP
C: STP
D: Fiber Optic

Difficulty Level: Intermediate

Answer: D

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Q. No. 13
Question:

Which occurs because alternating electrical current flowing through a wire creates an electromagnetic field around the wire?

Answer Choices

A: Attenuation
B: Crosstalk
C: Interference
D: Shorts

Difficulty Level: Intermediate

Answer: B

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Q. No. 14
Question:

The diameter of fiber optic cable is expressed in which measurement?

Answer Choices

A: Centimeters
B: Microns
C: Millimeters
D: Ohms

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 15
Question:

A 16-byte address displayed in hexadecimal is called which of the following?

Answer Choices

A: IPv4 address
B: IPv6 address
C: MAC address
D: Port Address

Difficulty Level: Difficult

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 16

Question:

Modems use which RJ connector?

Answer Choices

A: RJ-11

B: RJ-14

C: RJ-25

D: RJ-45

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: A

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Q. No. 17

Question:

_____is the amount of time that a system or subsystem can continue functioning before it encounters failures that are bad enough to cause data loss.

Answer Choices

A: MTTDL
B: SPOF
C: MTTDI
D: MTTDT

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: A

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Q. No. 18
Question:

For disks not protected by mirroring or parity, the _____ is the same as the MTBF.

Answer Choices

A: MTTDL
B: SPOF
C: MTTDI
D: MTTDT

Difficulty Level: Difficult

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: A

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Q. No. 19
Question:

_____ is the average time between data becoming inaccessible. There is no loss of data, but it cannot temporarily be accessed because of adapter failures or a server being down.

Answer Choices

A: MTTDL
B: SPOF
C: MTTDI
D: MTTDT

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: C
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Q. No. 20

Question:

In RAID terminology, _____ is known as Striping.

Answer Choices
A: RAID-0
B: RAID-1
C: RAID-5
D: RAID-0+1

Difficulty Level: Difficult
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: A

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Q. No. 21

Question:

In RAID terminology, _____ is known as Mirroring.

Answer Choices
A: RAID-0
B: RAID-1
C: RAID-5
D: RAID-0+1

Difficulty Level: Difficult

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 22

Question:

In RAID terminology, _____ is known as Mirrored Stripes.

Answer Choices
A: RAID-0
B: RAID-1
C: RAID-1+0
D: RAID-0+1

Difficulty Level: Difficult
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: D

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Q. No. 23

Question:

In RAID terminology, _____ is known as Striped Mirrors.

Answer Choices
A: RAID-0
B: RAID-1
C: RAID-1+0
D: RAID-0+1

Difficulty Level: Difficult
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: C

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Q. No. 24
Question:

In storage technology, FCIP stands for _____

Answer Choices
A: Fault-resistant Control Interface Protocol
B: Fiber Channel over IP
C: Field Critical Interface Protocol
D: None of the above

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 25
Question:

In NIS terminology, the collection of network information is referred to as the NIS
_____.

Answer Choices
A: Domain
B: Directory
C: Namespace
D: Database

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash
Jayaswal

Answer: C

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Q. No. 26
Question:

The _____ SPEC Benchmark consists of SSL and non-SSL workload
such as e-commerce and banking.

Answer Choices

A: SPECweb99

B: SPECweb99_SSL

C: SPECweb99_HTTPS

D: SPECweb2004

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: D

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Q. No. 27

Question:

Which of the following is not part of a Point of Distribution (POD) rack.

Answer Choices

A: Cross-patch ports

B: Network terminal servers

C: Network subswitches

D: UPS

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: D

==

Q. No. 28

Question:

_____ is defined as the process of bringing together disconnected parts to make a single and complete whole.

Answer Choices

A: Segregation

B: Consolidation

C: Segmentation

D: Calibration

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: (B)

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Q. No. 29

Question:

In SNMP, _____ is a collection of hierarchically organized OIDs.

Answer Choices

A: SMB

B: MID

C: MIB

D: SMTP

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: C

==

Q. No. 30

Question:

The main two types of server consolidation are _____ and
_____.

Answer Choices

A: Horizontal Scaling and Parallel Scaling

B: Parallel Scaling and Vertical Scaling

C: Horizontal Scaling and Vertical Scaling

D: Parallel Scaling and Forward Scaling

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash
Jayaswal

Answer: (C)

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Q. No. 31

Question:

In SNMP, the _____watches for an event, and if it occurs, performs some action

Answer Choices

A: Watch

B: alert

C: trigger

D: trap

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: D

===

Q. No. 32

Question:

_____specifies how you can reduce the server count by running multiple applications on fewer but well-beefed-up servers.

Answer Choices

A: Horizontal Scaling

B: Vertical Scaling

C: Parallel Scaling

D: Forward Scaling

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 33

Question:

An outlet for small rack-mounted devices would be 15 amps, 120 volts, and require
_____ watts.

Answer Choices
A: 180
B: 18000
C: 1800
D: 18

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash
Jayaswal

Answer: (C)

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Q. No. 34
Question:

_____ is external SRAM and sits between the CPU and DRAM.
Answer Choices
A: L1 Cache
B: L2 Cache
C: L3 Cache
D: L4 Cache

Difficulty Level: Intermediate
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash
Jayaswal

Answer: B

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Q. No. 35

Question:

In the SPEC Benchmark, non-base options are also known as _____ metrics.

Answer Choices

A: peak

B: apex

C: top

D: lean

Difficulty Level: Difficult

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: A

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Q. No. 36

Question:

An IBM p690 server weighing 2,600 pounds has a point load of _____ pounds on each of its feet.

Answer Choices

A: 450

B: 550

C: 650

D: 750

Difficulty Level: Difficult

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: C

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Q. No. 37
Question:

_____ is the amount of time that a user must wait for response from the system
Answer Choices
A: Latency
B: Efficiency
C: Speed
D: Throughput

Difficulty Level: Difficult
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: A

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Q. No. 38
Question:

_____ is rapid discharge of static electricity between two objects that are at different electric potential.
Answer Choices
A: ESD
B: ESP

C: WATT

D: VOLT

Difficulty Level: Difficult

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash
Jayaswal

Answer: A

===

Q. No. 39

Question:

_____ is number of ports per U of rack height.

Answer Choices

A: Rack density

B: port Density

C: Unit Density

D: equipment Density

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash
Jayaswal

Answer: B

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Q. No. 40

Question:

NFSops/sec, transactions per minute (tpm), disk data transfer rate of megabytes per second (MBps), and network transfer rate of megabits per second (mbps) are all examples of _____

Answer Choices

A: Latency

B: Efficiency

C: Speed

D: Throughput

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: D

==

Q. No. 41

Question:

_____ is the amount of moisture in the air at a given temperature in relation to the maximum amount that the air can hold at that temperature.

Answer Choices

A: AH

B: RH

C: CH

D: QH

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

==

Q. No. 42

Question:

The C in CINTxxxx and CFPxxxx stands for _____.

Answer Choices

A: Composite

B: Component

C: Client

D: Cumulative

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 43

Question:

Which of the following is not a SPEC floating point benchmarks

Answer Choices

A: SPECfpxxxx

B: SPECfp_basexxxx

C: SPECfp_ratexxxx

D: SPECfp_base_ratexxxx

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: D

==

Q. No. 44

Question:

SNMP runs over _____.

Answer Choices

A: TCP

B: UDP

C: ICMP

D: ARP

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 45

Question:

In SNMP, the _____ command configures a value

Answer Choices

A: GET

B: SET

C: POLL

D: ASSIGN

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

===

Q. No. 46

Question:

SPEC provides the test suite as _____

Answer Choices

A: Library files

B: Compiled binary

C: Source code

D: All of the above

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: C

===

Q. No. 47

Question:

The _____ is also known as a portmaster.

Answer Choices

A: Terminal Server

B: Network Manager Server

C: Network Monitor Server

D: SNMP Server

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: A

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Q. No. 48

Question:

SNMP runs over port number _____.

Answer Choices

A: 160

B: 161

C: 162

D: 163

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

===

Q. No. 49
Question:

_____ is the capability to control systems not through existing network infrastructure but via a different data network or via a dial-in capability for individual devices.

Answer Choices
A: In-band monitoring
B: Out-of-band monitoring
C: Horizontal monitoring
D: Vertical Monitoring

Difficulty Level: Difficult
Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash Jayaswal

Answer: B

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Q. No. 50
Question:

A 10-Mbits/s network link delivering data at 2 Mbits/sec has a utilization of _____ percent.

Answer Choices
A: 10
B:20
C: 30
D: 40

Difficulty Level: Intermediate

Reference: Administering Data Centers: Servers, Storage and Voice over IP by Kailash
Jayaswal

Answer: B

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