Question 1
Which protocol is needed to synchronize the fabric to make use of atomic counters?
A. NTP
B. PTP
C. PFC
D. CDP
E. LLDP
F. CFS

Correct Answer: B
Explanation/Reference:

Question 2
Which action corrects the problem?
A custom-developed script is failing due to a code 403 “token was invalid” error message. Which action corrects the problem?
A. Reboot the Cisco APIC.
B. Repost aaaLogin with valid credentials.
C. Restart your web browser.
D. Use JSON encoding instead of XML.

Correct Answer: B
Explanation/Reference:

Question 3
Which counters are updated in an EPG-to-EPG policy where both EPGs are local to the same leaf switch?
A. transmit only
B. receive only
C. TX and RX
D. This policy is not supported.

Correct Answer: A
Explanation/Reference:

Question 4
Which description of OpFlex is true?
Which description of OpFlex is true?
A. a protocol designed to prevent loops in VXLAN overlays within the ACI fabric
B. a control system designed to exchange abstract policy between a controller and a set of devices
C. an architecture for operationalizing Data Center management functions
D. an API that allows third-party devices to be managed by the Cisco Application Centric Infrastructure Controller

Correct Answer: B
Explanation/Reference:

Question 5
Which configuration is correct?
You must create a bridge domain that has one subnet. The supported IP address range should be 10.12.10.0 through 10.12.11.254. The default gateway should be 10.12.11.100. Which configuration is correct?
Question 6
Which three options are valid contract actions?
Which three options are valid contract actions? (Choose three.)
A. permit
B. redirect
C. tag
D. log
E. punt
F. police

Correct Answer: ABD
Explanation/Reference:

Question 7
Which two statements about ACI contexts are true?
Which two statements about ACI contexts are true? (Choose two.)
A. ACI contexts are equivalent to a VRF.
B. ACI contexts are equivalent to a broadcast domain.
C. All endpoints associated with a context must have a unique IP address.
D. A tenant can contain only one context.
E. Only one bridge domain can be associated with a context.
F. Contexts can be shared across tenants.

Correct Answer: AC
Explanation/Reference:

Question 8
Which ACI construct can be used to ensure that FTP traffic is dropped even if a contract that permits FTP is applied to the web server EPG?
Your company security policy states that FTP traffic to web servers is never permitted. Which ACI construct can be used to ensure that FTP traffic is dropped even if a contract that permits FTP is applied to the web server EPG?
A. filter
B. taboo
C. redirect
D. application profile
E. application entity profile

Correct Answer: B
Explanation/Reference:

Question 9
Which option is the prerequisite for creating a bridge domain in Cisco APIC?
Which option is the prerequisite for creating a bridge domain in Cisco APIC?
A. service graph
B. tenant
C. context
D. EPG

Correct Answer: B
Explanation/Reference:

Question 10
Which statement about bridge domains is true?
Which statement about bridge domains is true?
A. Bridge domains are configured to separate Layer 3 boundaries.
B. Bridge domains are the equivalent of a VLAN or Layer 2 boundary that can contain one or more IP subnets.
C. An endpoint group can exist in multiple bridge domains.
D. Subnets can span two or more bridge domains.

Correct Answer: B
Explanation/Reference:

Question 11
Which description of the configuration of subnets is true?
Which description of the configuration of subnets is true?
A. configured in a one-to-one fashion with bridge domains
B. configured in a one-to-one fashion with EPGs
C. configured in a many-to-one fashion with tenants
D. configured in a one-to-one fashion with VLANs
E. configured in a many-to-one fashion with bridge domains

Correct Answer: E
Explanation/Reference:

**Question 12**
Which option associates the physical port to the assigned EPG?
To extend a Layer 2 domain outside the ACI fabric by extending the EPG, which option associates the physical port to the assigned EPG?
A. port ID
B. VLAN
C. VTEP
D. switch ID

Correct Answer: B
Explanation/Reference:

**Question 13**
When you configure a bridge domain, which option describes the default setting for flooding behavior?
When you configure a bridge domain, which option describes the default setting for flooding behavior?
A. Unknown unicast flooding is disabled, and ARP flooding is disabled.
B. Unknown unicast flooding is enabled, and ARP flooding is disabled.
C. Unknown unicast flooding is disabled, and ARP flooding is enabled.
D. Unknown unicast flooding is enabled, and ARP flooding is enabled.

Correct Answer: A
Explanation/Reference:

**Question 14**
When you build a contract, which three attributes are valid within the “filter” definition? (Choose three.)
A. TCP sequence check
B. source IP address
C. source port
D. destination IP address
E. destination port
F. protocol

Correct Answer: CEF
Explanation/Reference:

**Question 15**
Which two node IDs are valid to be allocated to leaf and spine switches within the fabric? (Choose two.)
A. 10
B. 11
C. 100
D. 101
E. 1000

Correct Answer: DE
Explanation/Reference:

**Question 16**
Where is flooding behavior defined?
A. EPG level
B. bridge domain level
C. subnet level
D. tenant level

Correct Answer: B
Explanation/Reference:

**Question 17**
Which information must be configured in the vPC explicit protection group? (Choose three.)
A. name, vPC domain ID, and node IDs of the switches that participate in the vPC domain
B. node ID, vPC domain ID, peer link, and peer keepalive information
C. vPC domain ID and peer link information
D. IP address, vPC domain ID, and peer keepalive information

Correct Answer: A
**Question 18**
Which option lists the correct steps in the correct order that are needed to enable MP-BGP in within ACI fabric?
Which option lists the correct steps in the correct order that are needed to enable MP-BGP in within ACI fabric?
A. Create a route reflector policy, create a POD policy group, and apply the POD policy group to the POD.
B. No configuration is required because this is provisioned automatically by the Cisco APIC.
C. Create a route reflector policy, create an EPG in the infra tenant containing all of the switches, and apply the route reflector policy to the EPG.
D. Create a route reflector policy, and attach the route reflector policy to each tenant that an address family should be created for.
Correct Answer: A

**Explanation/Reference:**

**Question 19**
Which three types of subnet scope can be created in ACI? (Choose three.)
A. Public, which is advertised to the external router by the border leaf
B. Private, which is visible only to the local context
C. Shared, which is visible only to the shared context
D. Querier, which enables IGMP snooping on the subnet
E. RFC 3021 subnets, which use /31 host addresses on both ends of a point-to-point link
Correct Answer: ABC

**Explanation/Reference:**

**Question 20**
Which option is a valid connection for the fabric port on a leaf switch?
Which option is a valid connection for the fabric port on a leaf switch?
A. Connected to spine
B. Connected to fabric port on a different leaf
C. Connected to a downstream FabricPath domain
D. Connected to an Cisco APIC controller
E. Connection to an ESX host
Correct Answer: A

**Explanation/Reference:**

**Question 21**
When you create a vCenter domain, which two options are available to choose a virtual switch? (Choose two.)
A. VMware Standard vSwitch
B. Cisco AVS
C. Open vSwitch
D. VMware Distributed Switch
E. Cisco ASAv
Correct Answer: BD

**Explanation/Reference:**

**Question 22**
Which option is the default mode for policy propagation to leaf switches?
Which option is the default mode for policy propagation to leaf switches?
A. Policy preconfiguration
B. Policy prepopulation with on-demand configuration
C. No policy prepopulation
D. Policy preconfiguration
Correct Answer: B

**Explanation/Reference:**

**Question 23**
Which spanning tree protocol must be configured to enable flooding in the native VLAN to ensure a loop-free topology?
An ACI fabric is being connected to an existing switch network. Which spanning tree protocol must be configured to enable flooding in the native VLAN to ensure a loop-free topology?
A. PVST
B. MST
C. Rapid PVST
D. Legacy STP
Correct Answer: B

**Explanation/Reference:**
Question 24
When a subnet is configured as “private subnet” within a bridge domain, what is the desired behavior for the subnet?
A. Private VLANs are enabled.
B. The subnet is not routed within the private network.
C. The subnet is not routed outside the ACI fabric.
D. The subnet is routed between tenants.

Correct Answer: C
Explanation/Reference:

Question 25
Which routing protocol is used to propagate external routes to leaf switches?
Within the ACI fabric, which routing protocol is used to propagate external routes to leaf switches?
A. iBGP
B. IS-IS
C. OSPF
D. MP-BGP

Correct Answer: D
Explanation/Reference:

Question 26
What is the function of an attachable access entity profile?
What is the function of an attachable access entity profile?
A. to associate a group of external entities that have similar infrastructure policy requirements
B. to associate a group of external Layer 3 entities to particular leaf interfaces
C. to associate a group of external Layer 2 entities to particular VLANs or VXLANs
D. to associate a group of external virtual machine managers to a tenant

Correct Answer: A
Explanation/Reference:

Question 27
Which two characteristics describe a VXLAN encapsulation?
Which two characteristics describe a VXLAN encapsulation? (Choose two.)
A. uses 24-bit virtual network ID and UDP port 8472
B. uses 24-bit virtual network ID and TCP port 179
C. uses 42-bit virtual network ID and TCP port 179
D. uses 42-bit virtual network ID and UDP port 8472
E. adds an 8-byte header, most of which is reserved with the exception of the 3-byte instance ID

Correct Answer: AE
Explanation/Reference:

Question 28
Which characteristic describes a NVGRE encapsulation?
Which characteristic describes a NVGRE encapsulation?
A. uses GRE based encapsulation, GRE protocol type 0x6558
B. uses 24-bit virtual subnet identifier
C. adds 42-byte encapsulation overhead
D. encapsulates untagged IP and non-IP Ethernet frames

Correct Answer: A
Explanation/Reference:

Question 29
Which three options communicate via the northbound APIs?
Which three options communicate via the northbound APIs? (Choose three.)
A. OpenStack
B. Puppet
C. application virtual switch
D. OpFlex
E. Cisco UCS Director
F. Citrix NetScaler

Correct Answer: ABE
Explanation/Reference:

Question 30
Which two options can be used to extend the overlay to a VMware hypervisor?
Which two options can be used to extend the overlay to a VMWare hypervisor? (Choose two.)
A. NVGRE  
B. VXLAN  
C. application virtual switch  
D. OpFlex  
E. OpenStack  

Correct Answer: BC  
Explanation/Reference:

Question 31  
Which three protocols are supported when a remote location is specified for an ACI export policy for configuration backup and tech support? (Choose three.)
A. SFTP  
B. SCP  
C. FTP  
D. HTTP  
E. TFTP  
F. HTTPS  

Correct Answer: ABC  
Explanation/Reference:

Question 32  
Which two routing protocols does ACI support for external connectivity? (Choose two.)
A. IS-IS  
B. iBGP  
C. OSPF  
D. RIPv2  
E. EIGRP  

Correct Answer: BC  
Explanation/Reference:

Question 33  
Which OpenStack project is used for OpenStack integration with the Cisco APIC?  
A. nova-network  
B. neutron  
C. cinder  
D. apic-controller  

Correct Answer: B  
Explanation/Reference:

Question 34  
Which two options are the two supported data formats of the ACI northbound API? (Choose two.)
A. HTML  
B. JSON  
C. XML  
D. REST  
E. CSV  

Correct Answer: BC  
Explanation/Reference:

Question 35  
Which three types of interfaces are supported to connect a border leaf switch to an external router? (Choose three.)
A. Layer 3 interface  
B. Layer 3 subinterface  
C. SVI  
D. EPG interface  
E. tenant interface  
F. Layer 2 interface  
G. bridge domain interface  

Correct Answer: ABC  
Explanation/Reference:
Question 36
Which class is flooding enabled to address specific application requirements?
In which class is flooding enabled to address specific application requirements?
A. fvBD
B. fvRsCtx
C. fvTenant
D. fvAEP
E. fvAP

Correct Answer: A
Explanation/Reference:

Question 37
Which option describes how an API gets real-time updates about the health score of an object?
Which option describes how an API gets real-time updates about the health score of an object?
A. using a query in Visor
B. include the health object when applying scoping filters to the response of an API query
C. using the dashboard of the GUI System menu
D. using SNMP at the leaf and spine

Correct Answer: B
Explanation/Reference:

Question 38
Which two options are supported in the ACI API to query the MIT tree?
Which two options are supported in the ACI API to query the MIT tree? (Choose two.)
A. by distinguished name
B. by class
C. by role
D. specific objects by UUID
E. objects by master replica

Correct Answer: AB
Explanation/Reference: