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QUESTION 1 What is one example of typical business requirements that are driving the design of installed base data centers? A. IT reorganization B. virtualization C. greater collaboration D. physical space
Answer: C

QUESTION 2 What documents are not typically an output that is deliverable from the design phase? A. high-level design B. site requirements specification C. troubleshooting procedures D. migration plan
Answer: C

QUESTION 3 What is the most common design requirement when creating a data center solution? A. high availability with disaster recovery B. multicore CPU servers C. traffic inspection for inbound traffic D. virtualization of network resources
Answer: A

QUESTION 4 What is a typical output of the design planning phase that characterizes an existing data center? A. a high-level conceptual architecture proposal B. a gap analysis C. a verification plan D. reactive fault detection and correction
Answer: B

QUESTION 5 Which two characteristics are associated with the core layer of a Data Center Unified Fabric network? (Choose two.) A. no packet manipulation B. QoS--policing C. voice, data, and wireless convergence D. scalable routing protocols like OSPF E. Layer 2 default gateway redundancy F. QoS--classification and queuing
Answer: AD

QUESTION 6 Which three characteristics are associated with the aggregation layer of a Data Center Unified Fabric network? (Choose three.) A. no packet manipulation B. QoS--policing C. voice, data, and wireless convergence D. scalable routing protocols like OSPF E. provides default gateway redundancy F. QoS--classification and queuing G. routing manipulation and filtering H. aggregates end users
Answer: BEG

QUESTION 7 Which three characteristics are associated with the access layer of a Data Center Unified Fabric network? (Choose three.) A. no packet manipulation B. QoS--policing C. voice, data, and wireless convergence D. scalable routing protocols like OSPF E. provides default gateway redundancy F. QoS - classification and queuing G. routing manipulation and filtering H. aggregates end users
Answer: CFH

QUESTION 8 Which protocols are Cisco recommended for connecting the main data center to a remote data center? A. LISP B. OTV C. FabricPath D. vPC
Answer: B

QUESTION 9 When migrating an existing data center network to a unified fabric network, which transitions should you expect to see? A. IOS to Nexus networking equipment B. physical to virtual machines C. Fibre Chanel to FCoE D. iSCSI to NAS
Answer: C

QUESTION 10 Which three protocols are effective in minimizing the use of STP in the data center design? (Choose three.) A. FCoE B. vPC C. vDC D. FabricPath E. 802.1ad F. STP
Answer: ABD

QUESTION 11 In a medium size Data Center, which three routing protocols would you use? (Choose Three.) A. EIGRP B. ISIS C. OSPF D. RIPv2 E. HSRP
Answer: ABC

QUESTION 12 Layer 2 forwarding of multicast traffic with vPC is based on which modified protocol? A. CGMP B. PIM SS C. Auto-RP D. IGMP snooping E. Destination-based trees
Answer: D

QUESTION 13 Which protocol is required in order for FabricPath to support switches or hosts that dual-attach through classical Ethernet? A. VDC B. vPC C. LISP D. OTV E. VSS F. TRILL
Answer: B

QUESTION 14 In a geographically diverse data center environment, which high-availability feature allows data centers to simultaneously serve the same content to all sites? A. HSRP B. VRRP C. SLB D. GSLB E. FCoE
Answer: D

QUESTION 15 Given the requirements, which Cisco Nexus product is Cisco recommended? A rich feature set that makes it well suited to top-of-rack, middle-of-row, or end-of-row access- layer applications. Data center racks with standards-based 1 and 10 Gigabit Ethernet and FCoE features, and virtual machine awareness features that allow IT departments to consolidate networks. A combination of high port density, lossless Ethernet, wire-speed performance, and extremely low latency that makes the switch family well suited to meet the growing demand for 10 Gigabit Ethernet. A. 1000v B. 1010 C. 2000 D. 3000 E. 4000 F. 5500
Answer: F
Explanation: http://www.cisco.com/en/US/prod/collateral/switches/ps9441/ps9670/white_paper_c11-462176.html (see features and benefits, first bullet)

QUESTION 16 Which three control plane operations are used by vPC? (Choose three.) A. ARP cache B. MAC address learning C. CGMP snooping D. LACP E. BPDU
Answer: ABE

QUESTION 17 In the data center architecture, which layer performs load balancing between data centers? A. Core layer B. Access layer C. Aggregation layer D. Collapse core
Answer: A

QUESTION 18 Which innovation in the Cisco NX-OS Software brings an entirely new Layer 2 data plane by encapsulating the frames entering the device with a header that consists of a routable source and destination address? A. OTV B. MPLS C. Routing D. RSTP E. LISP
Answer: A

QUESTION 19 When designing a data center environment with ECMP and IP routing between the data center network segments, which design would be the most suitable? A. Layer 3 data center core B. Layer 3 data center core with Layer 2 extension C. Layer 2 data center core D. Layer 2 data

center core with Layer 3 extension Answer: A QUESTION 20 What design will effect traffic flows in the Data Center Core layer?
A. The domain needed to extend a VLAN from one switch to another is determined at the core layer B. With a 3 layer (Access, Aggregation, Core) design the Layer 2 domain must be configured across the Core for VLAN extension to occur C. Extending Layer 2 through a core causes path blocking by STP and has the risk of uncontrollable broadcast issues related to extending Layer 2 domains, and therefore should be avoided D. Server-to-server traffic typically travels between aggregation modules by way of the core, while backup and replication traffic remains within the aggregation module Answer: C At Lead2pass, we are positive that our Cisco 642-996 dumps with questions and answers PDF provide most in-depth solutions for individuals that are preparing for the Cisco 642-996 exam. Our updated 642-996 braindumps will allow you the opportunity to know exactly what to expect on the exam day and ensure that you can pass the exam beyond any doubt. 642-996 new questions on Google Drive:
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