

Program: BE Information Technology Engineering

Curriculum Scheme: Revised 2016

Examination: Fourth Year Semester VII

Course Code: ITC701 and Course Name: Enterprise Network design

Time: 1 hour

Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Which of following phase Involves proactive management of the network? The goal of proactive management is to identify and resolve issues before they affect the organization.
Option A:	Prepare Plan
Option B:	Design
Option C:	Operate
Option D:	Optimize
Q2.	The full form of PSTN is
Option A:	Public switched telephone network (PSTN) service
Option B:	Private switched telephone network (PSTN) service
Option C:	Priority switched telephone network (PSTN) service
Option D:	Primary switched telephone network (PSTN) service
Q3.	Which layer performs routing between VLANs, filtering, and load balancing?
Option A:	Core layer
Option B:	Distribution layer
Option C:	Access layer
Option D:	Application layer

Q4.	Which campus submodule connects to the enterprise edge module?
Option A:	SP edge
Option B:	WAN submodule
Option C:	Building distribution
Option D:	Campus core
Q5.	Which Cisco Enterprise Architecture network module provides connectivity between the enterprise campus module to the remote enterprise data center?
Option A:	enterprise edge
Option B:	service provider edge
Option C:	enterprise teleworker
Option D:	enterprise branch
Q6.	Which Cisco Enterprise Architecture module consists of a building or group of buildings consisting of many LANs in a fixed geographic area?
Option A:	enterprise branch
Option B:	enterprise edge
Option C:	enterprise campus
Option D:	enterprise data center
Q7.	On a campus network, personnel who are located in a five site college have access to servers found in one location. In which network module of the campus network architecture would these servers be found?
Option A:	data center
Option B:	enterprise edge
Option C:	services
Option D:	access-distribution

Q8.	How many bits are used for the interface ID in an IPv6 unicast address?
Option A:	32
Option B:	64
Option C:	96
Option D:	128
Q9.	What is a benefit of dividing a flat network into a hierarchical design?
Option A:	A hierarchical design will provide more network broadcasts.
Option B:	A hierarchical design will provide smaller network blocks to manage.
Option C:	A hierarchical design will increase response times of the network.
Option D:	A hierarchical design will provide specific rules to building a network.
Q10.	Which of the following is true when describing a multicast address?
Option A:	Packets addressed to a unicast address are delivered to a single interface.
Option B:	Packets are delivered to all interfaces identified by the address. This is also called a one-to-many address.
Option C:	Identifies multiple interfaces and is only delivered to one address. This address can also be called one-to-one-of-many.
Option D:	These addresses are meant for nonrouting purposes, but they are almost globally unique so it is unlikely they will have an address overlap.
Q11.	Which are transition models to IPv6 for an enterprise network?
Option A:	Hybrid
Option B:	Dual-stack
Option C:	Top-down
Option D:	Service block
Q12.	Which IPv6 feature enables routing to distribute connection requests to the nearest content server?

Option A:	Anycast
Option B:	Link-local
Option C:	Aggregatable
Option D:	Multicast
Q13.	Which are deployment models to IPv6 for an enterprise network?
Option A:	Top-down
Option B:	Tunneled
Option C:	Service block
Option D:	Translation
Q14.	Which is a reason for avoiding doing route redistribution on two routers between the same two routing domains?
Option A:	higher cost of two routers
Option B:	routing feedback
Option C:	Cisco IOS incompatibility
Option D:	not possible to use two routers
Q15.	The subnet keyword is required when you are redistributing subnet routes into which routing protocol?
Option A:	OSPF
Option B:	BRIP
Option C:	EIGRP
Option D:	IS-IS
Q16.	Which routing method best describes BGP?
Option A:	distance vector

Option B:	link-state
Option C:	path-vector
Option D:	hybrid of link-state and distance vector
Q17.	What are the 3 layers that make up SDN?
Option A:	The network layer, 2) The physical layer, and 3) The transport layer
Option B:	The application layer, 2) The control layer, and 3) The physical layer
Option C:	The application layer, 2) The transport layer, and 3) The network layer
Option D:	The transport layer, 2) The network layer, and 3) The datalink layer
Q18.	Which protocol does BGP use?
Option A:	UDP port 520
Option B:	TCP port 179
Option C:	IP protocol number 88
Option D:	IP protocol number 89
Q19.	In the area of SDN, a reference to the APIs used between a controller and the network elements for the purpose of learning information from the elements and for programming (controlling) the forwarding behavior of the elements.
Option A:	Southbound API
Option B:	Eastbound API
Option C:	Northbound API
Option D:	Westbound API
Q20.	Which type of messages are sent by switch to controller to Inform the controller of a change in port status or switch error.
Option A:	Asynchronous messages
Option B:	Symmetric messages

Option C:	Controller-to-switch messages
Option D:	packet-in
Q21.	The means by which an application program talks to communications software.
Option A:	SDN architecture part 2
Option B:	Software Defined Networking (SDN) architecture
Option C:	Southbound API
Option D:	APIs (Application Programming Interfaces)
Q22.	Which messages are Sent by the controller to manage flow entries?
Option A:	Asynchronous messages
Option B:	Symmetric messages
Option C:	Controller-to-switch messages
Option D:	packet-in
Q23.	Used for communication between the controllers and network devices.
Option A:	SDN architecture part 2
Option B:	APIs (Application Programming Interfaces)
Option C:	Southbound API
Option D:	Northbound API
Q24.	_____ is an extensible Java-based OpenFlow Controller which is built on an OSGI framework, allowing OpenFlow applications to be built on the platform to be started/stopped/refreshed/installed at run-time, without disconnecting switches.
Option A:	NOX
Option B:	Beacon
Option C:	Trema

Option D:	Lumina SDN Controller
Q25.	It supports concurrent applications written in Python and C++, and it includes a number of sample controller applications.
Option A:	NOX
Option B:	Beacon
Option C:	Trema
Option D:	Lumina SDN Controller