

# University of Mumbai

## Examination 2020 under cluster 4 (PCE)

Program: BE Information Technology

Curriculum Scheme: Rev2016/2012

Examination: Fourth Year Semester VII

Course Code:ITC701 and Course Name: Enterprise Network Design

Time: 1 hour

Max. Marks: 50

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

Q1.	Initial design requirements are extracted from...
Option A:	Business case
Option B:	RFP
Option C:	Giant chart
Option D:	UML
Q2.	At which stage in the PPDIIO process would you analyze a customer's network in order to discover opportunities for network improvement?
Option A:	Prepare
Option B:	Design
Option C:	Implement
Option D:	Plan
Q3.	Which SONA layer corresponds to IIN phase two?
Option A:	Session
Option B:	Application
Option C:	Interactive services
Option D:	Network infrastructure
Q4.	The fact with Top down design approach is
Option A:	Network devices and technologies are selected first
Option B:	Risk of having redesign of the network
Option C:	Results in an inappropriate design
Option D:	The uppers OSI layer services are designed first and then the lower layers
Q5.	Which layer of the hierarchical design model provides a means of connecting devices to the network and controlling devices are allowed to communicate on the network?
Option A:	Core Layer
Option B:	Data link Layer
Option C:	Distribution layer
Option D:	Access Layer
Q6.	Enterprise Edge Module functional area in Cisco Enterprise Architecture consist of
Option A:	Remote Access and VPN module
Option B:	Intelligent switching and routing
Option C:	Enterprise scaling

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Option D:	Services and applications at the head office to all branches
Q7.	External Security threats in Modular Network Design occurs at
Option A:	Internet Survive Provider Module
Option B:	Enterprise Edge
Option C:	Enterprise Campus
Option D:	WAN and MAN
Q8.	Enterprise Campus Module functional area in Cisco Enterprise Architecture consist of
Option A:	Access layer and Distribution Layer
Option B:	WAN and MAN
Option C:	Data center
Option D:	Teleworker
Q9.	End users are used to connect
Option A:	Core Layer
Option B:	Distribution layer
Option C:	Access layer
Option D:	Remote Access and VPN module
Q10.	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
Q11.	for large enterprises with a data center, the Enterprise Edge and WAN connectivity are aggregated at the _____ module
Option A:	Enterprise Edge
Option B:	Server Farm
Option C:	Service Provider
Option D:	data center
Q12.	For a large campus, the most flexible and scalable Campus Core layer consists of _____
Option A:	single multilayer switch
Option B:	dual multilayer switches
Option C:	dual Layer-2 switches
Option D:	single layer-2 switch
Q13.	Redundant distribution switches in a _____ module and solutions such as the HSRP and GLBP provide fast failover.
Option A:	Server Farm
Option B:	Enterprise Branch
Option C:	Enterprise Edge
Option D:	Service Provider

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Q14.	Which of the following is not a major component of MLS
Option A:	MLS Route Processor (MLS-RP)
Option B:	Wireless APs
Option C:	MLS Switching Engine (MLS-SE)
Option D:	Multilayer Switching Protocol (MLSP)
Q15.	In ADSL traffic moves upstream and downstream at _____ and in SDSL it moves at _____
Option A:	different speed in SDSL and Same Speed in ADSL
Option B:	different speed in ADSL and Same Speed in SDSL
Option C:	different speed in both ADSL and in SDSL
Option D:	Same speed in both ADSL and in SDSL
Q16.	What type of cable is used in SONET WAN Technology?
Option A:	Twisted Pair copper cable
Option B:	Coaxial Cable
Option C:	Fiber Optic Cables
Option D:	Electric Wires
Q17.	Which of the following statement indicate the frequency and maximum speeds of the 802.11a , 802.11b and 802.11g WLAN standards respectively?
Option A:	802.11a: Up to 54 Mbps in the 5-GHz band, 802.11b: Up to 11 Mbps in the 2.4-GHz band, 802.11g: Up to 54 Mbps in the 2.4-GHz band
Option B:	802.11a: Up to 11 Mbps in the 5-GHz band, 802.11b: Up to 54 Mbps in the 2.4-GHz band, 802.11g: Up to 54 Mbps in the 2.4-GHz band
Option C:	802.11a: Up to 54 Mbps in the 2.4 -GHz band, 802.11b: Up to 11 Mbps in the 2.4-GHz band, 802.11g: Up to 54 Mbps in the 2.4-GHz band
Option D:	802.11a: Up to 54 Mbps in the 2.4-GHz band, 802.11b: Up to 11 Mbps in the 2.4-GHz band, 802.11g: Up to 54 Mbps in the 5-GHz band
Q18.	the customers use a provider's dial-in infrastructure for their private dialup connections with _____
Option A:	GRE
Option B:	overlay VPN
Option C:	VPDN
Option D:	IPSEC
Q19.	Reduces the routing update traffic and reduces the number of routes in the routing table
Option A:	Route Serializability
Option B:	Route Aggregation
Option C:	Route Summarization
Option D:	Static Routing
Q20.	Which of the following is private IP address?
Option A:	12.0.0.1
Option B:	192.168.24.43

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Option C:	172.15.14.36
Option D:	168.172.19.39
Q21.	A router receives a packet with the destination address 132.7.21.84. Find the network address of the packet
Option A:	1.32.7
Option B:	132.7
Option C:	13.27
Option D:	21.84
Q22.	Which of the following is true when describing a unique local address?
Option A:	Packets addressed to a unicast address are delivered to a single interface
Option B:	These are your typical publicly routable addresses
Option C:	These are like private addresses in IPv4 in that they are not meant to be routed
Option D:	These addresses are meant for nonrouting purposes
Q23.	Connects devices on the same local network without requiring globally unique addresses.
Option A:	Link-local unicast address
Option B:	Link-global unicast address
Option C:	Link-local anycast address
Option D:	Link-local multicast address
Q24.	What is true about open flow controller
Option A:	It uses the OpenFlow protocol to connect and configure the network devices and choose the best path for application traffic
Option B:	dpctl is open flow controller
Option C:	It is used to collect information about networking devices using SNMP.
Option D:	OpenFlow is used to communicate with the networking devices via northbound APIs
Q25.	Which of the following are true about SDN Controller?
Option A:	It acts as an intermediate layer between applications and network devices.
Option B:	OpenFlow is used to communicate with the networking devices via northbound APIs
Option C:	It is used to collect information about networking devices using SNMP.
Option D:	It used for the communication between network devices from different vendors.

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Question	Correct Option (Enter either 'A' or 'B' or 'C' or 'D')
Q1.	B
Q2.	B
Q3.	C
Q4	D
Q5	D
Q6	A
Q7	B
Q8.	A
Q9.	C
Q10.	C
Q11.	D
Q12.	B
Q13.	A
Q14.	B
Q15.	B
Q16.	C
Q17.	A
Q18.	B
Q19.	C
Q20.	B
Q21.	B
Q22.	D
Q23.	A
Q24.	A
Q25.	A