SAMPLE PAPER for END
Examinations Commencing from 7th January 2021 to 20th January 2021
Program: INFORMATION TECHNOLOGY
Curriculum Scheme: Rev2016
Examination: BE Semester VII
Course Code: ITC701 and Course Name: END

Time: 2-hour   Max. Marks: 80

===

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	The following three characteristics should be considered when designing the campus network
Option A:	Network application, Environmental, Infrastructure device
Option B:	Architecture, Routing, Addressing
Option C:	Services, Applications, Infrastructure
Option D:	Security, Budget, Time
2.	Centralized servers are typically grouped into a_____located in the Enterprise Campus or in a separate data center
Option A:	server matrix
Option B:	server group
Option C:	server farm
Option D:	server family
3.	A type of traditional WAN technology network that, for the duration of the connection, obtains and dedicates a physical path for a single connection between two network endpoints is called
Option A:	Leased line
Option B:	Circuit-switched networks
Option C:	Packet-switched
Option D:	cell-switched networks
4.	Branch offices can be categorized based on the number of users as
Option A:	Mini office, Macro office, Major office

Option B:	Little office, Big office
Option C:	Main office, Out-station office
Option D:	Small office, Medium office, Large office
5.	EIGRP stands for _____
Option A:	Exterior Integrated Gateway Routing Protocol
Option B:	Enhanced Internal Gateway Routing Protocol
Option C:	Enhanced Interior Gateway Routing Protocol
Option D:	Exterior Interior Gateway Routing Protocol
6.	Route Summarization is also called as _____
Option A:	Route Aggregation
Option B:	Route Filtering
Option C:	Route Redistribution
Option D:	Route Designation
7.	____is a logical entity that receives instruction or requirements from SDN application layer.
Option A:	SDN Interfaces
Option B:	SDN Controller
Option C:	SDN Application
Option D:	SDN Switch (SDN Networking devices)
8.	Open flow switches separate and .
Option A:	data path , control path
Option B:	digital , analog
Option C:	text ,images
Option D:	bits, bauds

9.	Inside enterprise data center, a higher server consolidation ratio means you need _____ to support your data center's servers.
Option A:	fewer host servers
Option B:	Higher CPU utilization
Option C:	Lower CPU utilization
Option D:	More host servers
10.	A typical organization has up to ____ levels of IP address hierarchy
Option A:	four
Option B:	three
Option C:	two
Option D:	one
11.	Static NAT is a ____ mapping of an unregistered IP address to a registered IP address
Option A:	many-to-many
Option B:	one-to-many
Option C:	many-to-one
Option D:	one-to-one
12.	The Cisco Enterprise Architecture comprises_____major functional areas.
Option A:	three
Option B:	four
Option C:	six
Option D:	eight
13.	Packet manipulation is not function of_____layer.
Option A:	Core
Option B:	Access
Option C:	Network

Option D:	Application
14.	Hierarchical network model consists of_____layers.
Option A:	Physical, distribution, application
Option B:	Core, Distribution, Access
Option C:	Access, Distribution, Service
Option D:	Core, Distribution, Transport
15.	The MPLS network nodes are called _____
Option A:	Label-Switched Routers (LSR)
Option B:	Level-Switched Routers (LSR)
Option C:	Layer-Switched Routers (LSR)
Option D:	Link-Switched Routers (LSR)
16.	SDSL is sometimes referred to as _____
Option A:	simple-pair DSL.
Option B:	single-pair DSL.
Option C:	simplex-pair DSL.
Option D:	security-pair DSL.
17.	Which of the following is the correct order of the six phases of PPDIOO?
Option A:	Prepare Plan Design Implement Operate Optimize
Option B:	Plan Prepare Design Implement Optimize Operate
Option C:	Prepare Plan Design Implement Optimize Operate
Option D:	Plan Prepare Design Implement Operate Optimize
18.	Which types of devices are usually found in the Ecommerce module?

Option A:	Web servers, firewalls, NIDS appliances	
Option B:	SMTP mail servers, firewalls, Public FTP servers, DNS	
Option C:	Public FTP servers, DNS	
Option D:	ASAs, NIDS appliances, firewalls	
19.	RMON2 extends RMON1 by adding_____more groups that provide_____to the upper layers	
Option A:	five, security	
Option B:	nine, visibility	
Option C:	nine, security	
Option D:	five, visibility	
20.	Deploying several layers of security increases the protection of the_____, where the most strategic assets usually reside	
Option A:	Enterprise Edge	
Option B:	Enterprise Backbone	
Option C:	Enterprise datacenter	
Option D:	Enterprise Campus	
Q2.	Solve any **Two** out of **Three**	**10 marks each**
A	Describe the various phases of PPDIOO network life cycle	
B	Compare the Enterprise WAN architecture technologies	
C	Draw and explain the SDN building blocks and interfaces	
Q3.	**Solve any Four out of Six**	**5 marks each**
A	Write a short note on Network design approaches	
B	Describe RMON	
C	What are the various techniques to optimize bandwidth? Explain	
D	Discuss IPv6 in detail.	
E	List different internetworking devices and their working	
F	Describe VPN role in enterprise network design.	