1-Which of the answers listed below refers to the process of granting or denying access to resources?				
 Authentication Authorization Accounting 				
2-Which of the following answers refer to the characteristic features of the 10.0.0.0 - 10.255.255.255 (10.0.0.0/8) IPv4 address space? (Select 2 answers)				
 Class A range Public IP address range Class B range Non-routable (private) IP address range Class C range 				
3-Which of the following answers refers to an IPv4 address range used for loopback addresses?				
 0.0.0.0 - 0.255.255.255 (0.0.0.0/8) 127.0.0.0 - 127.255.255.255 (127.0.0.0/8) 169.254.0.0 - 169.254.255.255 (169.254.0.0/16) 240.0.0.0 - 255.255.255.254 (240.0.0.0/4) 				
4-In a network using subnets, the term "Default gateway" refers to a network device (e.g. router) that enables exchange of data between hosts residing in different subnets.				
• True • False				
5-In IPv4 addressing, the leading octet of an IP address with a value of 1 through 126 denotes that the IP address within that range belongs to the:				
 Class A address space Class B address space Class C address space Class D address space 				

6-Which of the answers listed below refers to an example of a valid subnet mask?

- 255.255.225.0
- 255.255.191.0
- 255.255.127.0
- 255.255.64.0
- None of the above is a valid subnet mask

7-In IPv4 addressing, the leading octet of an IP address with a value of 192 through 223 denotes that the IP address within that range belongs to the:

- Class A address space
- Class B address space
- Class C address space
- Class D address space

8-Which of the following answers lists the CIDR notation of the 255.255.254 subnet mask?

9-ransmission Control Protocol (TCP) is an example of a connectionless protocol. Because TCP doesn't support three-way handshake while establishing a network connection, it is referred to as unreliable or best-effort protocol.

True false

10- User Datagram Protocol (UDP) is a connection-oriented protocol using a three-way handshake which is a set of initial steps required for establishing network connection. UDP supports retransmission of lost packets, flow control (managing the amount of data that is being sent), and sequencing (rearranging packets that arrived out of order).

True	false				
11-A type devices is		l used in network r	nanagement systen	ns for monitoring networ	k-attached
. c	SMB	° _{NTP}	° _{SNMP}	° _{RDP}	
16-What	is the name	of a network proto	ocol that secures we	eb traffic via SSL/TLS er	eryption?
	SFTP	° HTTPS	° FTPS	° _{SNMP}	
12- Layer	5 of the OS	SI model is also ref	ferred to as:		
. 0	Session la Applicati Transport Presentat	on layer t layer			
13- Whic	h of the foll	owing UDP ports i	is assigned to the D	omain Name System (D	NS)?
		wers listed below rect 3 answers)	efer to the compone	ents that can be found at	the OSI
		_			
	Switch Packet				

15- TCP port 25 is used by:				
• SNMP • Telnet • FTP • SMTP				
16-The term "Presentation layer" refers to:				
 Layer 7 of the OSI model Layer 5 of the OSI model Layer 6 of the OSI model Layer 4 of the OSI model 				
17- character encoding, data compression and encryption/decryption take place at the:				
 Application layer of the OSI model Presentation layer of the OSI model Session layer of the OSI model Transport layer of the OSI model 				
18-Which device improves network performance by dividing a given network segment into separate collision domains?				
 Hub Repeater Switch Router 				
19- TCP port 80 is assigned to:				
 Hypertext Transfer Protocol (HTTP) Hypertext Transfer Protocol over TLS/SSL (HTTPS) Internet Message Access Protocol (IMAP) Lightweight Directory Access Protocol (LDAP) 				

• UDP port 53
• TCP port 143
21-solution that allows to control access to a shared transmission medium in 802.11 networks is known as:
 CWDM CSMA/CD CDMA CSMA/CA 22- What is the first valid host address that can be assigned to a node residing in the
10.119.136.143/20 network?
• 10.119.96.1
• [©] 10.119.128.1
• 10.119.132.1
• 10.119.136.1
23- What is the network address for a 154.24.67.147/22 host?
• 154.24.48.0
• 154.24.60.0
• 154.24.62.0
• ° 154.24.64.0
24- Which of the following answers lists the broadcast address for the 192.168.50.155/20 network?
• 192.168.31.255
• 192.168.47.255
• ° 192.168.63.255

20- Which of the following ports is used by HTTPS?

C TCP port 80

TCP port 443

. 0	192.168.79.255
host is conbetween 1	addresses are valid only for communications within a network segment that a given inected to. A host with APIPA-assigned address (i.e. an IP address in the range 69.254.0.1 and 169.254.255.254) cannot connect to the Internet. The assignment of dress typically indicates a problem related to:
. 0	SNMP
. 0	DNS
. 0	
. 0	DHCP
26-Which	of the following IP APIPA?
. 0	169.2000.1
. 0	169.255.0.1
	169.254.0.1
. 0	169.2500.1
27- netwo	rk topology in which each node connects to a central switching device is called:
. 0	Bus topology
. 0	Ring topology
• •	Star topology
. 0	Mesh topology
•	
28- A netwis known a	work topology in which each node has a direct physical connection to every other node as:
. 0	Star
. 0	Partial mesh
. 0	Bus
. 0	Full mesh
. 0	Ring

29-Which of the following answers refers to a software or hardware that monitors network traffic and depending on the configuration settings applied to each data packet either blocks it or allows it to pass through?					
• HIDS					
• Firewall					
Packet filter					
Vulnerability scanner					

30-Which of the following answers lists the number of connections in a full mesh network consisting of 10 nodes?

- C 21
- 0 28
- 0 36
- [©] 45