Started on	Monday, 4 August 2025, 4:55 PM
State	Finished
Completed on	Monday, 4 August 2025, 5:08 PM
Time taken	12 mins 56 secs
Marks	18.00/20.00
Grade	<b>90.00</b> out of 100.00
Question 1	
Complete	
Mark 1.00 out of 1.00	
A network 10.0.0.0/8	is split into 256 subnets. What is the new subnet mask?
a. /10	
b. /16	
c. /24	
Od. /9	
Question 2	
Complete	
Mark 0.00 out of 1.00	
Wark 0.00 out of 1.00	
How many hosts can	a /29 subnet accommodate?
a. 10	
b. 8	
C. 14	
O d. 6	
Question 3	
Complete	
Mark 1.00 out of 1.00	
Mark 1.00 out of 1.00	
How many subnets c	an be created with a /28 prefix in a Class C network?
a. 16	
O b. 4	
○ c. 8	
0 d. 2	
○ <b>4.</b> ∠	

,	
Question 4	
Complete	
Mark 1.00 c	ut of 1.00
How ma	any total IP addresses are available in a /30 subnet?
<ul><li>a.</li></ul>	4
<ul><li>b.</li></ul>	
О с.	
O d.	
Question 5	
Complete	. (400
Mark 1.00 c	ut of 1.00
HTTP o	perates at which layer of the OSI model?
<ul><li>a.</li></ul>	Application
	Network
O c.	Transport
O d.	Presentation
Question 6	
Complete	
Mark 0.00 c	ut of 1.00
In whicl	n OSI layer do switches operate?
О а.	Transport
b.	Network
○ c.	Physical
O d.	Data Link
Question 7	,
Complete	
Mark 1.00 c	ut of 1.00
The OS	model has how many layers?
<ul><li>a.</li></ul>	5
<ul><li>b.</li></ul>	
O c.	
O d.	

23, 3.09 F	TW CN-OSI-Subhetting. Attempt review
Question 8	
Complete	
Mark 1.00 o	ut of 1.00
What is	the broadcast address for the 192.168.10.64/26 subnet?
Wildels	the broadcast address for the 192.100.10.04/20 sashet.
( a	192.168.10.65
	192.168.10.63
	192.168.10.127
○ a.	192.168.10.128
Question 9	
Complete	
Mark 1.00 o	ut of 1.00
What is	the CIDR notation for the subnet mask 255.255.255.248?
О a.	/28
<ul><li>b.</li></ul>	
<ul><li>c.</li></ul>	
<ul><li>d.</li></ul>	
U d.	/20
Question 1	0
Complete	
Mark 1.00 o	ut of 1.00
What is	the network address of 192.168.1.75/27?
	192.168.1.128
<ul><li>b.</li></ul>	192.168.1.64
O c.	192.168.1.0
O d.	192.168.1.96
Question 1	1
Complete	
Mark 1.00 o	ut of 1.00
What is	the Protocol Data Unit (PDU) at the Network layer?
vviiat 15	the Flotocol Data offit (1 DO) at the Network layer:
О a.	Rits
	Packets Comments
	Segments
◯ d.	Frames

20, 0.00 1	The Control of Substituting of the Control of the C
Question 1	2
Complete	
Mark 1.00 c	out of 1.00
What is	the subnet mask for a /26 network?
	255.255.255.0
b.	255.255.255.192
O c.	255.255.255.224
O d.	255.255.255.240
Question 1	13
Complete	
Mark 1.00 c	out of 1.00
Which I	ayer establishes, manages, and terminates sessions between applications?
О а.	Network
<ul><li>b.</li></ul>	Application
	Session
	Presentation
<u> </u>	
Question 1	4
Complete	
Mark 1.00 c	out of 1.00
Which l	ayer handles encryption and decryption of data?
О а.	Session
<ul><li>b.</li></ul>	
C.	Presentation
<ul><li>d.</li></ul>	Transport
Question 1	5
Complete	
Mark 1.00 c	out of 1.00
Which I	ayer is responsible for end-to-end delivery of messages?
○ a.	Network
O b.	Data Link
<ul><li>c.</li></ul>	Transport
O d.	

Question 1	6
Complete	
Mark 1.00 c	ut of 1.00
Which I	ayer of the OSI model is responsible for path determination and logical addressing?
	Network
	Application ————————————————————————————————————
	Transport  Data Link
O a.	Data Link
Question 1	7
Complete	
Mark 1.00 c	ut of 1.00
Which I	ayer of the OSI model is responsible for reliable transmission of data segments between points on a network?
	Application
	Session
	Transport
O d.	Network
Question 1	8
Question 1	8
Complete	
Complete Mark 1.00 c	
Complete  Mark 1.00 c	of the following IPs is a valid host in the 192.168.1.0/24 network?
Complete Mark 1.00 c	of the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0
Which o	ut of 1.00  of the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0  192.168.2.1
Which of a.  b.	ut of 1.00  of the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0  192.168.2.1  192.168.1.1
Which of a.  b.	ut of 1.00  of the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0  192.168.2.1
Which of a.  b. c. d.	ut of 1.00  of the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0  192.168.2.1  192.168.1.1  192.168.1.255
Which of a. b. c. d.	ut of 1.00  of the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0  192.168.2.1  192.168.1.1  192.168.1.255
Which of a. b. c. d.	the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0  192.168.2.1  192.168.1.1  192.168.1.255
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Which of a. b. c. d.	the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0  192.168.2.1  192.168.1.1  192.168.1.255
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Which of the complete Mark 1.00 of the compl	the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0  192.168.2.1  192.168.1.1  192.168.1.255
Which of the complete Mark 1.00 of the compl	the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0 192.168.2.1 192.168.1.1 192.168.1.255
Complete Mark 1.00 c  Which c  a. b. C. d.  Question 1  Complete Mark 1.00 c  Which c  a. b.	tet of 1.00  If the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0  192.168.2.1  192.168.1.1  192.168.1.255
Complete Mark 1.00 c  Which c  a. b. c. d.  Question 1  Complete Mark 1.00 c  Which c  a. b. c. c.	the following IPs is a valid host in the 192.168.1.0/24 network?  192.168.1.0 192.168.2.1 192.168.1.1 192.168.1.255

Question 20	
Complete	
Mark 1.00 out of 1.00	

Which of the following is not a function of the Data Link Layer?

- a. Error Detection
- b. MAC Addressing
- oc. Routing
- Od. Framing