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11117.	Attem:	pt review	
Quiz.	Attent	pticvicw	

Started on	•		
State	Finished		
	Thursday, 9 October 2025, 1:03 PM		
Time taken			
Marks	5.00/5.00		
Grade	100.00 out of 100.00		
Question 1			
Complete			
Mark 1.00 out of 1.00			
Iviark 1.00 out of 1.00			
What is the main pur	pose of using VLANs in a data center network?		
a. To separate	broadcast domains logically on the same switch		
○ b. To improve routing performance at Layer 3			
○ c. To encrypt traffic between devices			
d. To increase p			
Question 2			
Complete			
Mark 1.00 out of 1.00			
In a VLAN configurat	ion, what is the function of a trunk port?		
a It provides r	puting between VI ANs		
	a. It provides routing between VLANs.b. It connects end devices like PCs or NAS directly.		
d. It carries traf	fic for multiple VLANs between switches or to servers.		
Question 3			
Complete			
Mark 1.00 out of 1.00			
Wark 1.50 out of 1.00			
Which IEEE standard	defines VLAN tagging?		
a. 802.1D			
○ b. 802.11			
© c. 802.1Q			
od. 802.3			

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Question 4
Complete
Mark 1.00 out of 1.00
When a device in VLAN 10 wants to communicate with a device in VLAN 20, what is required?
a. A VLAN tag removal process
b. A router or Layer-3 switch (inter-VLAN routing)
○ c. A trunk cable
○ d. A Layer-2 switch
Question 5
Complete
Mark 1.00 out of 1.00
What happens if two switches connected via a trunk link are configured with mismatched VLAN IDs?
a. VLAN tagging is ignored and all frames are untagged.
b. The switches create a single combined VLAN.
c. They automatically synchronize VLAN IDs.
d. Traffic may be dropped or delivered to the wrong VLAN.

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