Date Completed: 10/4/2016 Time Spent: 10:29	9:10 AM Student: Unal, Taylar Status: Pas
Overall Performance	
Score: 65%	
Score. 03 /0	Passing Score: 60%
Questions	Objectives
Expand All Collap	ee All
▼ Question 1:	<u>Incorrect</u>
You have just sigr use?	ed up for a broadband home Internet service that uses coaxial cable. Which connector type will you most likely
○ ST	
○ RJ-11	
BNC	
F-type	
○ sc	
○ RJ-45	
Explanation	
•	nector for broadband cable connections that use coaxial cable.
	tor for 10Base2 Ethernet networks. Use an RJ-11 connector for modem connections to a phone line. Use an RJ- n Ethernet network that uses twisted pair cable. Use ST and SC connectors for fiber-optic cables.
References	
	rk Pro, Section 2.2. stions_en.exm NP05_1-4 #210]
▼ Question 2:	<u>Correct</u>
Which of the follo two.)	ving are advantages of using fiber optic cabling for a network, as opposed to other types of cabling? (Select
→ ✓ Immunity	to electromagnetic interference
Faster in	tallation
Lower in:	tallation cost
→ ✓ Greater	able distances without a repeater
Explanation	
	r types of cabling, fiber optic cabling allows greater cable distances without a repeater and is immune to terference. However, installation costs more and takes longer.
References	
LabSim for Netwo	°k Pro, Section 2.3.

You are building a new network for a small startup financial services company. Security is paramount, so each organization

[netpro15_all_questions_en.exm NP05_1-5 #40]

Correct

▼ Question 3:

within the company will have its own network segment separated by a router. However, funds are limited, and you have been asked to keep costs to a minimum.

You have acquired a used fiber optic switch and want to use it to create a fiber optic backbone that interconnects all of the routers. You purchased several used single mode GBIC modules on eBay that you will install in each router to allow them to connect to the switch.

Both the switch and the GBIC modules use MT-RJ connectors. You connect each module to the switch with 1 meter multimode patch cables.

Will this implementation work?

References
Some GBIC/SFP modules use multimode fiber, while others use single mode. You must use the correct type of fiber optic cable and connector required by the specific adapter. You cannot mix and match different types of cable. In this scenario, connecting a single mode GBIC to multimode fiber will introduce a catastrophic signal loss of up to 99%.
Explanation
 No, you should purchase fiber optic equipment that use FC connectors.
 No, standard fiber optic switches should not be used to create a backbone network for routers.
Yes, all of the requirements for implementing a fiber optic network have been met.
No, you shouldn't use multimode patch cables with single mode GBIC modules.

[netpro15_all_questions_en.exm RT NP15_4.5-2]

• Question 4: Incorrect

LabSim for Network Pro, Section 2.5.

Which of the following is used to terminate individual wires from a 25 pair or 100 pair cable using female RJ-45 ports?

66 block

110 block

Patch panel

Horizontal cross connect

Explanation

A patch panel is a device that typically connects individual stranded wires into female RJ-45 connectors. For example, you might connect 4 pairs of wires from a punchdown block to a port on the patch panel. On the patch panel, you then connect drop cables (cables with RJ-45 connectors) to the patch panel on one end and a computer on the other end.

Use 66 and 110 blocks to connect individual wires within a wiring closet. These punchdown blocks connect the individual wires together, but do not terminate in RJ-45 connectors.

A horizontal cross connect connects IDFs on the same floor.

References

LabSim for Network Pro, Section 2.4.
[netpro15_all_questions_en.exm NP09_2-8 #MCS10]

▼ Question 5: Correct

You need to replace a fiber optic cable that is connecting two switches together. You inspect the existing fiber cable and determine that it uses LC connectors. You also notice the cable's ferrule has a slight slant to it.

Which polish grade should you use to replace the existing cable?

h

Ultra Physical Contact polish

A slight slant to the fiber ferrule indicates an Angled Physical Contact (APC) polish. Using a non-angled connector will cause excessive insertion loss.

A Physical Contact (PC) polish is polished with a slight curvature. An Ultra Physical Contact (UPC) polish uses a higher grade polish and is slightly more curved than a PC polish. A Flat Physical Contact connector has little to no curvature and suffers from the most insertion loss.

D	ef		ro	19	-	00
\mathbf{r}	CI	C	ıe		u	_3

References	
LabSim for Network Pro, Section 2.5. [netpro15_all_questions_en.exm *NP15_TROUBLESHO	OTING_NETWORK_MEDIA_01]
• Question 6: <u>Incorrect</u>	
Which pins in an RJ45 connector are used to transmit	data when used on a 100BaseT Ethernet network? (Select two.)
Pin 1	
Pin 2	
Pin 3	
Pin 4	
Pin 5	
Pin 6	
√ Pin 7	
√ Pin 8	
Explanation	
On a 100BaseT network cable, the RJ45 pin-outs are a	s follows:
 Pin 1: Tx+ Pin 2: Tx- Pin 3: Rx+ Pin 4: Unused Pin 5: Unused Pin 6: Rx- Pin 7: Unused Pin 8: Unused 	
For a 100BaseT cable, Pins 1 and 2 are used to transn	nit data; pins 3 and 6 are used to receive data.
References	
LabSim for Network Pro, Section 2.4. [netpro15_all_questions_en.exm NP05_1-5 #48]	
Question 7: <u>Incorrect</u>	
Which of the following connectors are used with fiber	optic cables and include both cables in a single connector? (Select two.)
ST	
→ ✓ MT-RJ	
→ □ LC	
SC	

Explanation

BNC

Both the LC and MT-RJ connectors have both fiber optic cables in a single connector.

ST and SC connectors hold a single strand of fiber optic cable. A cable using either connector has two connectors on each end. A BNC connector is used with coaxial cable.

References

LabSim for Network Pro, Section 2.3. [netpro15_all_questions_en.exm NP09_2-2 #2]

▼ Question 8:

Correct

Which of the following connectors is used with fiber optic cables and connects using a twisting motion?

BNC

O LC

SC

F-type

→ ○ ST

Explanation

The ST connector is used with fiber optic cable and uses a twist-type connector. **Tip**: To remember the difference between ST and SC connectors, associate the T in ST with "twist".

SC and LC connectors are used with fiber optic cables but plug in instead of twist. F-type and BNC connectors use a twist to connect, but are used with coaxial cables.

References

LabSim for Network Pro, Section 2.3. [netpro15_all_questions_en.exm NP09_2-2 #1]

▼ Question 9:

Correct

You have a network that occupies all three floors of a building. The WAN service provider has installed the line for the WAN service into the building in a wiring closet on the main floor.

You have a second wiring closet on the main floor. You need to connect the two wiring closets. Which of the following are typically used to connect the two wiring closets? (Select two.)

Smart jack

Vertical cross connect

🛶 🕢 25 pair

Demarc extension

→ W Horizontal cross connect

Explanation

A horizontal cross connect connects wiring closets on the same floor. 25 pair or 100 pair wiring punched down into 66 or 110 blocks are often used to connect the wiring closets together.

A vertical cross connect connects the IDF to the MDF on a different floor.

The demarcation point (demarc) is the line that marks the boundary between the telco equipment and the private network or telephone system. A demarc extension extends the demarcation point from its original location to another location within the building. A smart jack is a special loopback plug installed at the demarcation point for a WAN service. Technicians at the central office can send diagnostic commands to the smart plug to test connectivity between the central office and the demarc.

References

LabSim for Network Pro, Section 2.4. [netpro15_all_questions_en.exm NP09_2-8 #MCM1]

▼ Ouestion 10:

Correct

Which of the following forms of optical fiber would usually be used to connect two buildings across campus from each other, which are several kilometers apart?

	○ Multimode
	○ Fibre Channel mode
	→ Single mode
	Oual mode
	Explanation
	In this scenario, use single mode fiber optic cables. Fiber optic is graded as single mode or multimode. Single mode consists of single very thin core which produces fewer reflections. This provides greater effective bandwidth over greater distances.
	Multimode is less costly than single mode fiber. Multimode transmits multiple light rays concurrently. Multimode is used to transmit over shorter distances as the rays tend to disperse as the transmission distance increases. Fibre channel is a network topology used in storage area networks.
	References
	LabSim for Network Pro, Section 2.3. [netpro15_all_questions_en.exm NP05_1-5 #24]
•	Question 11: Correct
	F-type connectors are typically used with cables using which of the following standards? (Select two.)
	RG-58
	Cat 5
	→ √ RG-6
	Cat 5e
	→ 《 RG-59
	Cat 6e
	Explanation
	F-type connectors are used with coaxial cable, and are typically used for cable TV and satellite installations using RG-6 or RG-59 cables.
	RG-58 cables typically use BNC connectors and cables are used for 10Base2 Ethernet. Cat 5, 5e, and 6e cables use RJ-45 connectors.
	References
	LabSim for Network Pro, Section 2.2. [netpro15_all_questions_en.exm NP09_2-2 #6]
•	Question 12: Correct
	Of the following cables, which offer the best protection against EMI?
	○ Cat 5
	○ Cat 6e
	○ Cat 5e
	→

Coaxial cable offers better protection against EMI than twisted pair cables. Coaxial cable has a mesh conductor which provides a ground and protects against EMI.

In general, the higher the twisted pair cable standard, the better protection against some forms of EMI (typically crosstalk). For twisted pair, use shielded twisted pair instead of unshielded twisted pair. Use fiber optic for the best protection against EMI.

Reference [netpro15_	Metwork Pro, Section 2.2. all_questions_en.exm NP09_2-1 #7]
▼ Question :	I3: Incorrect
Which of th	ne following are characteristics of an MT-RJ fiber optic connector? (Select two.)
₹ Th	ney use a keyed bayonet.
Th	ney must never be used with single-mode fiber-optic cables.
Th	ney are used with multifiber fiber optic ribbon cables.
→ □ Th	ney use metal guide pins to ensure accurate alignment.
Th	ney use a nickel-plated housing.
→ ✓ Th	ney can be used with multimode fiber optic cables.
	nectors can be used with either multimode or single mode fiber optic cabling. The connector is made from plastic and guide pins to ensure it is properly aligned in the jack.
Referei	nces
	Network Pro, Section 2.3. all_questions_en.exm NP05_1-4 #145]
▼ Question :	14: Incorrect
call for Cat	stalling networking wiring for a new Ethernet network at your company's main office building. The project specifications regory 5 UTP network cabling and RJ-45 wall jacks. Near the end of the project, you run out of wire before the last few omplete. You have a spool of Category 3 network cable in storage. Upon investigation, it appears very similar to wiring.
Should you	substitute Category 3 cabling for Category 5 cabling to finish the project?
○ Ye	es, you can substitute Category 5 wiring with Category 3 wiring, as they are electrically identical.
● Ne	o, Category 3 cabling doesn't support RJ-45 connectors.
, ,	o, Category 5 cabling has more twists per inch than Category 3 cabling to reduce cross-talk and support higher data tes.
	o, the sheath surrounding Category 5 cable is much thicker; creating an extra layer of shielding to reduce cross-talk and support higher data rates.
O No	o, Category 5 cabling uses a thicker copper wire than Category 3 cable; enabling higher data transmission rates.
Explana	ation
	gory 3 and Category 5 cabling may appear similar physically, they are electrically different. Category 5 cabling is ich tighter than Category 3 cabling. This reduces cross talk and enables Category 5 wiring to support much faster data on rates.
Refere	nces
	Network Pro, Section 2.1. all_questions_en.exm NP05_1-5 #60]
▼ Question :	L5: Incorrect
What tool s	should you use to extend network services beyond the demarc?
■ M	e dia certifier
→ ○ Pu	inchdown tool
<u></u> То	one generator

	\cup Crimper
	Explanation
	A demarc is the location where the local network ends and the telephone company's network begins. This location is usually at a punch down block in a wiring closet. You use a punchdown tool to attach wires to the punch down block.
	References
	LabSim for Network Pro, Section 2.4. [netpro15_all_questions_en.exm NP05_3-3 #23]
•	Question 16: Correct
	Which of the following methods would you use to create a crossover cable?
	○ Use the T568A standard.
	○ Use the T568B standard.
	Use the T568A standard on one connector, and the BLOG convention on the other connector.
	Use the T568B standard on one connector, and the BLOG convention on the other connector.
	→ Use the T568A standard on one connector, and the T568B standard on the other connector.
	Explanation
	The easiest way to create a crossover cable is to arrange the wires in the first connector using the T568A standard and arrange the wires in the second connector using the T568B standard. A crossover cable connects the transmit pins on one connector to the receive pins on the other connector (pin 1 to pin 3 and pin 2 to pin 6).
	References
	LabSim for Network Pro, Section 2.4. [netpro15_all_questions_en.exm NP09_2-4 #3]
•	Question 17: <u>Incorrect</u>
	Which of the following are characteristics of coaxial network cable? (Choose three.)
	It is composed of four pairs of 22-gauge copper wire.
	→ ✓ The ends of the cable must be terminated.
	→ It uses two concentric metallic conductors.
	☐ It uses RJ-45 connectors
	→ ☐ It has a conductor made from copper in the center of the cable.
	The conductors within the cable are twisted around each other to eliminate cross-talk.
	It uses two concentric conductors made from plastic or glass which conduct light signals.

Coaxial cable is composed of a central copper conductor surrounded by an insulator which is then surrounded by a second metallic mesh conductor. The name coaxial is derived from the fact that both of these conductors share a common axis. When using coaxial cable, both ends of the cable must be terminated.

References

LabSim for Network Pro, Section 2.2. [netpro15_all_questions_en.exm NP05_1-5 #69]

▼ Question 18: <u>Incorrect</u>

You are working with an older 10Base2 Ethernet network.

Which of the following connector types will you most likely encounter?



	○ AUI
	© RJ11
	○ F-Type
	Explanation
	A 10Base2 Ethernet network (also called a Thinnet) is an older type of network that uses coaxial cables with BNC connectors fo communication.
	F-Type connectors are used for cable and satellite TV connections, as well as broadband cable connections. AUI connectors are used for 10Base5 Ethernet networks. RJ11 connectors are typically used for dial-up connections.
	References
	LabSim for Network Pro, Section 2.2. [netpro15_all_questions_en.exm *NP15_COAXIAL_01]
•	Question 19: Correct
	In which of the following situations might you use an RJ-11 connector?
	O You want to connect the 10BaseT network card in your computer to a switch.
	You want to connect your computer to the Internet with a dial-up connection.
	You want to upgrade your 10BaseT network to 100BaseT.
	You want to test a network cable to see if there is a break in the line.
	Explanation
	RJ-11 connectors are typically used for telephones and modems.
	References
	LabSim for Network Pro, Section 2.1. [netpro15_all_questions_en.exm NP05_1-4 #88]
•	Question 20: Correct
	Which of the following uses metal clips placed over plastic slots for connecting individual copper wires?
	○ 100 pair
	○ 66 block
	→ © 110 block
	O 25 pair
	Fundamention

A 110 block is a punchdown block that uses metal clips fitted over plastic pins. When connecting wires using a 110 block, place the wires in the plastic slots, attach the metal clip, then punch down the connecting cable on the top of the clip.

A 66 block uses metal pins for connecting wires. Wires are placed in the pins, and pins within a row are electrically connected.

25 pair and 100 pair are cable bundles that include multiple pairs of copper wires (either 25 pairs of wires or 100 pairs of wires).

References

LabSim for Network Pro, Section 2.4.
[netpro15_all_questions_en.exm NP09_2-8 #MCS2]

▼ Question 21: Correct

You have a network that occupies all three floors of a building. The WAN service provider has installed the line for the WAN service into the building in a wiring closet on the main floor. You have a wiring closet on the two remaining floors directly above the wiring closet on the main floor.

What would you use to connect the wiring closets together?

Demarc extension	on		
Vertical cross co	nnect		
Horizontal cross	connect		
Smart jack			
Explanation			
	connects the main distribution frame (MDF) on the main floor to intermediate distr runs vertically (up and down) between the MDF and the IDFs.	ibution frames (IDFs)	
is a special loopback plug	ct connects IDFs on the same floor. Cabling runs horizontally (sideways) between installed at the demarcation point for a WAN service. Technicians at the central of the smart plug to test connectivity between the central office and the demarc.		
A demarc extension extends the demarcation point from its original location to another location within the building. The demarc extension typically consists of a single wire bundle that attaches to the existing demarc and supplies a termination point to a different location. You might need a demarc extension if your network occupies an upper floor of a building. The LEC will typically install the demarc into the MDF on the bottom floor, and you will need to install an extension to place the demarc into the IDF on your floor.			
References			
LabSim for Network Pro, [netpro15_all_questions_	Section 2.4. en.exm NP09_2-8 #MCS4]		
Question 22:	<u>Incorrect</u>		
	estion, complete the lab using information below. eted this lab and may go on to the next question.	Launch Lab	
You did not complete th	e lab correctly.	View Lab Report	
	rk technician for a small corporate network. Today you moved an unused workstat office, and now you need to connect the computer to the Ethernet local area networks.		
Your task in this	lab is to connect the workstation to the wired network as follows:		
patch pa	the Networking Closet, use the appropriate twisted pair cable to make a connection anel and switch. Use port IT Adm on the patch panel. Use port 5 on the switch.	between the	
	the IT Administration office: Connect the workstation (named ITAdmin) to the local area network using the appropriate the project of the p	ppropriate	
	twisted pair cable. Configure ITAdmin to obtain IP and DNS addresses automatically from the serve network.	er on the local	
	Use the Network and Sharing Center to confirm that the workstation is properly of the local area network and the Internet.	connected to	
Question 23:	Correct		
Which of the following ca	ble classifications are typically used for cable and satellite networking with coaxial	cables? (Select two.)	
→ √ RG-6			

RG-8

	\Box	RG-58
→		RG-59

Both RG-6 and RG-59 can be used for cable and satellite networking applications, although RG-6 has less signal loss than RG-59, and is a better choice for networking applications, especially where longer distances (over a few feet) are involved. Both RG-6 and RG-59 have an impedance rating of 75 ohms.

RG-8 and RG-58 have an impedance rating of 50 ohms and were used with 10 Mbps Ethernet.

References

LabSim for Network Pro, Section 2.2. [netpro15_all_questions_en.exm NP09_2-1 #3]

Correct

▼ Question 24:

You are adding new wires in your building for some new offices. The building has a false ceiling that holds the lights. You would like to run your Ethernet cables in this area.

Explanation

Plenum cable is fire resistant and non-toxic; it must be used when wiring above ceiling tiles. PVC cable cannot be used to wire above ceilings because it is toxic when burned.

Cat 5e cables provide better EMI protection than Cat 5 cables, and Cat 6e cables are an improvement over Cat 6 specifications, but neither are a requirement for using in a ceiling area. If the area has a lot of EMI, you might consider using STP or fiber optic cables, but this would not be a requirement just because wires were in a ceiling area. Typically, you can avoid EMI sources by rerouting cables.

References

LabSim for Network Pro, Section 2.1.
[netpro15_all_questions_en.exm NP09_2-1 #5]

▼ Question 25:

Incorrect

Which of the following are characteristics of an LC fiber optic connector? (Choose two.)

→	They use a housing and latch system similar to an RJ-45 UTP connector.
	They use a stainless steel housing.
	They use a one-piece bayonet connecting system.
	They are threaded.
→	They are half the size of standard connectors.
	They can be used with either fiber optic or copper cabling.

Explanation

LC fiber optic connectors are small; about half the size of other fiber optic connectors. Their appearance is similar to a typical RJ-45 connector used with UTP wiring. Like an RJ-45 connector, it uses a small latch to lock the connector in a jack.

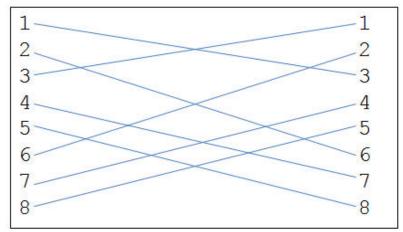
References

LabSim for Network Pro, Section 2.3.

[netpro15_all_questions_en.exm NP05_1-4 #135]

Question 26: Correct

You've connected a cable certifier to an RJ45 wall jack, and the output shown below is displayed on the device. What does this output indicate? (Select two.)



	There a	are mu	ltiple	short	on	this	cable.
--	---------	--------	--------	-------	----	------	--------

This is a straight-through cable.

→ The cable is functioning correctly.

→ **This is a crossover cable.**

There are multiple open pins on this cable.

Explanation

In this example, the cable being tested is a correctly wired crossover cable.

Output with "x" characters between pins indicates that they are shorted. Straight-through connections are displayed using "-" characters in the output of the cable certifier. Open connections are displayed with no characters or lines between the pin numbers.

References

LabSim for Network Pro, Section 2.5. [netpro15_all_questions_en.exm MCM2]

▼ Question 27: Correct

Which of the following connector types would you most likely use to connect to a T1 WAN service?

RJ45

→ ○ RJ48c

DB60

RJ11

Explanation

The RJ48c connector is similar to an RJ45 connector, but has different pin-outs. RJ48c connectors are commonly used for T1 WAN connections.

Both DB-60 and Smart Serial connectors are used for serial connections without an integrated CSU/DSU. RJ45 connectors are used for Ethernet, ISDN, and some DSL connections. RJ11 connectors are used for dial-up (modem) and some DSL connections.

References

LabSim for Network Pro, Section 2.1.
[netpro15_all_questions_en.exm *NP15_TWISTED_PAIR_01]

▼ Question 28: Correct

	Which of the following connectors usually require polishing as part of the assembly process? (Select two.) BNC
	⇒ ✓ ST
	⇒ ✓ SC
	☐ AUI
	Explanation
	The fiber optic cable assembly process is more complex than other assemblies. It is necessary to polish the exposed fiber tip to ensure that light is passed on from one cable to the next with no dispersion.
	References
	LabSim for Network Pro, Section 2.3. [netpro15_all_questions_en.exm NP05_1-4 #7]
•	Question 29: <u>Incorrect</u>
	You want to use the T568B standard for adding connectors to your Cat5 cable. Starting with pin 1, which order should you use for the wires within the connector?
	White/green, green, white/orange, blue, white/blue, orange, white/brown, brown
	→ ○ White/orange, orange, white/green, blue, white/blue, green, white/brown, brown
	White/blue, blue, white/orange, orange, white/green, green, white/brown, brown
	White/orange, orange, white/green, green, white/blue, blue, white/brown, brown
	Explanation
	The T568B standard uses the following order of wires in the connector: White/orange, orange, white/green, blue, white/blue, green, white/brown, brown.
	The T568A standard switches the green and orange wires (along with their corresponding white wires). Use the order Blue-Orange-Green-Brown (BLOG), with the white wire first, for connecting wires on a 110 punchdown block.
	References
	LabSim for Network Pro, Section 2.4. [netpro15_all_questions_en.exm NP09_2-4 #2]
•	Question 30: Correct
	You have a small home network connected to the Internet using an RG-6 cable. You need to move the router connecting the network to the Internet, but can't find any RG-6 cable.
	Which cable types could you use instead?
	→
	○ RG-8 or RG-58
	○ RG-8
	○ RG-8, RG-58, or RG-59
	○ RG-58 or RG-59
	○ RG-58

RG-6 has an impedance rating of 75 ohms. When using coaxial cables, it is important to use cables with the same impedance rating. Only RG-59 is rated for 75 ohms.

RG-8 and RG-58 are rated for 50 ohms.

References	
LabSim for Network Pro, [netpro15_all_questions_	
▼ Question 31:	Correct
Which of the following ca	ble types often includes a solid plastic core?
Cat 3	
Cat 5	
Cat 6	
Cat 5e	
Explanation	
Cat 6 cables include a sol	lid plastic core that keeps the twisted pairs separated and prevents the cable from being bent too tightly.
References	
LabSim for Network Pro, [netpro15_all_questions_	
▼ Question 32:	Correct
	escribes the point where the service provider's responsibility ends and the customer's responsibility maintaining wiring and equipment?
→	
O Punchdown block	k
Smart jack	
Vertical cross co	nnect
○ IDF	
Explanation	
termination jack onto you equipment and the private	a local exchange carrier (LEC) for data or telephone services, they install a physical cable and a premises. The demarcation point (demarc) is the line that marks the boundary between the telco e network or telephone system. Typically, the LEC is responsible for all equipment on one side of the er is responsible for all equipment on the other side of the demarc.
send diagnostic command a block used to connect in	loopback plug installed at the demarcation point for a WAN service. Technicians at the central office can dis to the smart plug to test connectivity between the central office and the demarc. A punchdown block individual copper wires together. While the demarc might terminate in a punchdown block, punchdown her locations at the customer site.
floor directly above the m	on frame (IDF) is a smaller wiring distribution point within a building. IDFs are typically located on each nain distribution frame (MDF), although additional IDFs can be added on each floor as necessary. Annects the IDF to the MDF on a different floor.
References	
LabSim for Network Pro, [netpro15_all_questions_	Section 2.4. en.exm NP09_2-8 #MCS3]
	Correct

You want to use the T568A standard for adding connectors to your Cat5 cable. Starting with pin 1, which order should you use for

White/green, green, white/orange, blue, white/blue, orange, white/brown, brownWhite/blue, blue, white/orange, orange, white/green, green, white/brown, brown

White/orange, orange, white/green, blue, white/blue, green, white/brown, brown

the wires within the connector?

	White/orange,	orange, white/green	n, green, white/blue	e, blue	, white/brown,	brown
--	---------------	---------------------	----------------------	---------	----------------	-------

The T568A standard uses the following order of wires in the connector: White/green, green, white/orange, blue, white/blue, orange, white/brown, brown.

The T568B standard switches the orange and green wires (along with their corresponding white wires). Use the order Blue-Orange-Green-Brown (BLOG), with the white wire first, for connecting wires on a 110 punchdown block.

References

LabSim for Network Pro, Section 2.4. [netpro15_all_questions_en.exm NP09_2-4 #1]