

CompTIA A+ Certification Practice Test 13 (Exam 220-901)

► Which of the cabling types listed below provide(s) protection against an outside signal interference? (Select all that apply)

☐ ☐ ☐ UTP

☐ ☒ ☐ Coaxial (✗ Missed)

☐ ☒ ☐ Fiber-optic (✗ Missed)

☐ ☒ ☐ STP (✗ Missed)

🚫 Your answer to this question is incorrect.

► One of the differences between the UTP and STP cabling is that the STP cable takes advantage of additional protective cover reducing signal interference from outside sources.

☐ ☒ ☐ True (✗ Missed)

☐ ☐ ☐ False

🚫 Your answer to this question is incorrect.

► In twisted-pair cabling wires are grouped into pairs and wires in each pair are twisted around each other in order to reduce:

☐ ☒ ☐ Cross-talk (✗ Missed)

☐ ☐ ☐ Cable diameter

☐ ☐ ☐ Collisions

☐ ☐ ☐ Bend radius

🚫 Your answer to this question is incorrect.

► What is the typical cable segment length for a copper twisted-pair Ethernet cable?

☐ ☐ ☐ 33 meters

☐ ☐ ☐ 55 meters

☐ ☒ ☐ 100 meters (✗ Missed)

☐ ☐ ☐ 250 meters

🚫 Your answer to this question is incorrect.

► Category 3 (CAT3) cable is a 10 Mbps twisted-pair copper cable used in telephone wiring.

☐ ☒ ☐ True (✗ Missed)

☐ ☐ ☐ False

🚫 Your answer to this question is incorrect.

► Which of the following twisted-pair copper cabling types is most commonly used in modern Ethernet networks?

☐ ☐ ☐ CAT3

☐ ☐ ☐ CAT4

☐ ☐ ☐ CAT5

☐ ☒ ☐ CAT5e (✖ Missed)

🚫 Your answer to this question is incorrect.

► What is the maximum cable segment length for a CAT5e cable?

☐ ☐ ☐ 25 meters

☐ ☐ ☐ 50 meters

☐ ☒ ☐ 100 meters (✖ Missed)

☐ ☐ ☐ 250 meters

🚫 Your answer to this question is incorrect.

► Which of the answers listed below refer(s) to the characteristics of a Category 5e (CAT5e) cabling? (Select all that apply)

☐ ☐ ☐ 10 Gbps Ethernet

☐ ☐ ☐ RJ-11 connector

☐ ☒ ☐ Twisted-pair cabling (✖ Missed)

☐ ☒ ☐ RJ-45 connector (✖ Missed)

☐ ☐ ☐ Fiber-optic cabling

☐ ☒ ☐ Copper cabling (✖ Missed)

☐ ☒ ☐ 1 Gbps Ethernet (✖ Missed)

🚫 Your answer to this question is incorrect.

► What is the minimum cabling requirement for a 10 Gbps connection over copper twisted-pair?

☐ ☐ ☐ CAT5

☐ ☐ ☐ CAT5e

☐ ☒ ☐ CAT6 (✖ Missed)

☐ ☐ ☐ CAT6A

🚫 Your answer to this question is incorrect.

► The Category 6 (CAT6) cabling supports 10 Gbps data transfer rate at a limited range of up to 55 meters, whereas CAT6A (Augmented) cabling allows for 10 Gbps data transfer rate over a standard cable segment length of 100 meters.

☐ ☒ ☐ True (✖ Missed)

☐ ☐ ☐ False

🚫 Your answer to this question is incorrect.

► The term "Plenum" refers to an enclosed space used for airflow, such as the one between dropped ceiling and structural ceiling in a building. Cabling coated with a fire-retardant jacket placed in this space is referred to as plenum-rated cabling. Plenum-rated cabling must meet special requirements so that it doesn't catch on fire easily.

☐ ☒ ☐ True (✖ Missed)

☐ ☐ ☐ False

🚩 Your answer to this question is incorrect.

► Materials from which the plenum-rated cable's cover is made include: (Select 2 answers)

☐ ☐ ☐ FPM

☐ ☒ ☐ PVC (✖ Missed)

☐ ☐ ☐ EPP

☐ ☒ ☐ FEP (✖ Missed)

☐ ☐ ☐ ECP

🚩 Your answer to this question is incorrect.

► Which of the following answers list examples of coaxial cabling types? (Select 2 answers)

☐ ☐ ☐ STP

☐ ☒ ☐ RG-59 (✖ Missed)

☐ ☐ ☐ Multi-mode fiber

☐ ☐ ☐ UTP

☐ ☒ ☐ RG-6 (✖ Missed)

☐ ☐ ☐ Single-mode fiber

🚩 Your answer to this question is incorrect.

► Which of the terms listed below refers to a loss in signal strength during transmission caused by increasing distance and obstacles encountered on the signal path?

☐ ☐ ☐ Amplitude

☐ ☐ ☐ Cross-talk

☐ ☒ ☐ Attenuation (✖ Missed)

☐ ☐ ☐ Brownout

🚩 Your answer to this question is incorrect.

► What is the bit length of an IPv4 address?

☐ ☒ ☐ 32 bits (✖ Missed)

☐ ☐ ☐ 48 bits

☐ ☐ ☐ 64 bits

☐ ☐ ☐ 128 bits

🚩 Your answer to this question is incorrect.

► Which of the following answers refer to the characteristic features of the 10.0.0.0 - 10.255.255.255 IPv4 address space? (Select 2 answers)

☐ ☒ ☐ Class A range (✖ Missed)

☐ ☐ ☐ Public IP address range

☐ ☐ ☐ Class B range

☐ ☒ ☐ Non-routable (private) IP address range (✖ Missed)

☐ ☐ ☐ Class C range

🚫 Your answer to this question is incorrect.

► Which of the answers listed below refer to the 172.16.0.0 - 172.31.255.255 IPv4 address space? (Select 2 answers)

☐ ☐ ☐ Class A range

☐ ☐ ☐ Public IP address range

☐ ☒ ☐ Class B range (✖ Missed)

☐ ☒ ☐ Non-routable (private) IP address range (✖ Missed)

☐ ☐ ☐ Class C range

🚫 Your answer to this question is incorrect.

► What are the characteristic features of the 192.168.0.0 - 192.168.255.255 IP address space? (Select 2 answers)

☐ ☐ ☐ Class A range

☐ ☐ ☐ Public IP address range

☐ ☐ ☐ Class B range

☐ ☒ ☐ Non-routable (private) IP address range (✖ Missed)

☐ ☒ ☐ Class C range (✖ Missed)

🚫 Your answer to this question is incorrect.

► An IPv4 address in the range 169.254.0.1 through 169.254.255.254 indicates problem with what type of service?

☐ ☐ ☐ SMTP

☐ ☐ ☐ DNS

☐ ☒ ☐ DHCP (✖ Missed)

☐ ☐ ☐ SNMP

🚫 Your answer to this question is incorrect.

► An IPv6 address consists of:

☐ ☐ ☐ 32 bits

☐ ☐ ☐ 48 bits

☐ ☐ ☐ 64 bits

☐ ☒ ☐ 128 bits (✖ Missed)

🚫 Your answer to this question is incorrect.

▶ IPv6 addresses are expressed with the use of:

☐

☐

☐

Octagonal numbers

☐

☐

☐

Binary numbers

☐

☒

☐

Hexadecimal numbers (✖ Missed)

☐

☐

☐

Decimal numbers

☐

Your answer to this question is incorrect.

▶ A double colon in an IPv6 address indicates that part of the address containing only zeroes has been compressed to make the address notation shorter.

☐

☒

☐

True (✖ Missed)

☐

☐

☐

False

☐

Your answer to this question is incorrect.

▶ Which of the following answers refers to an IPv6 link-local address?

☐

☐

☐

2002::/16

☐

☒

☐

FE80::/64 (✖ Missed)

☐

☐

☐

2001::/32

☐

☐

☐

::1/128

☐

Your answer to this question is incorrect.

▶ An IP address assigned permanently to a computer by an Internet Service Provider (ISP) is known as:

☐

☒

☐

Static IP address (✖ Missed)

☐

☐

☐

Private IP address

☐

☐

☐

Dynamic IP address

☐

☐

☐

Public IP address

☐

Your answer to this question is incorrect.

▶ A system containing mappings of domain names to various types of data, such as for example numerical IP addresses is known as:

☐

☐

☐

IDS

☐

☒

☐

DNS (✖ Missed)

☐

☐

☐

SQL

☐

☐

☐

DFS

☐

Your answer to this question is incorrect.

Your Final Report	
Total marks	35
Total Questions	25
Questions correctly answered	0

Success ratio	0%
Marks secured	0
Percentage secured	0%



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