

Networking Essentials, 4e (Beasley)

Chapter 2 Physical Layer Cabling: Twisted Pair

- 1) The nominal velocity of propagation for UTP
- A) Should be close to 1
 - B) Should be close to 100m
 - C) Is the speed of light
 - D) Should be some percentage of the speed of light

Answer: D

- 2) The proper alignment of the transmit and receive pairs in a CAT5/5e/6 UTP cable requires what?
- A) The transmit (+) and (-) signals connected to the receivers (+) and (-) signals, respectively.
 - B) The transmit (+) and (-) signals connected to the receivers (-) and (+) signals, respectively.
 - C) The transmit (-) and (+) signals connected to the receivers (-) and (+) signals, respectively.
 - D) None of these answers are correct.

Answer: B

- 3) In the balanced mode of operation for UTP
- A) The (+) side connects to ground.
 - B) The (-) side connects to ground.
 - C) Neither wire in the wire pairs connects to ground.
 - D) The balanced mode of operation for UTP is only used with STP cable installations.
 - E) The balanced mode of operation for UTP is only used in high EMI environments.

Answer: C

- 4) CAT 6 UTP is recommended for use in what? (Select all that apply.)
- A) The campus network backbone cabling
 - B) Only the equipment room
 - C) The horizontal cabling for a LAN
 - D) Is not recommended in LANs
 - E) The work area

Answer: C, E

- 5) "Interconnected LANs within a limited geographic area" defines which of the following?
- A) Campus Network
 - B) Wide Area Network
 - C) Metropolitan Area Network
 - D) None of these answers are correct.

Answer: A

6) "An Ethernet system operating at 100Mbps" defines which of the following?

- A) AUI Ethernet
- B) Link Ethernet
- C) Gigabit Ethernet
- D) Fast Ethernet
- E) None of these answers are correct.

Answer: D

7) "Another term for network congestion" defines which of the following?

- A) Bottled
- B) Bottlenecking
- C) Constricted
- D) Constricting
- E) None of these answers are correct.

Answer: B

8) "Where the cable connects to a jack or a patch panel" defines which of the following?

- A) TCO
- B) Closet
- C) Termination
- D) None of these answers are correct.

Answer: C

9) "A graphical or text description of the wire connections from pin to pin" defines which of the following?

- A) Color-map
- B) Continuity map
- C) Wire-map
- D) Connectivity map
- E) None of these answers are correct.

Answer: C

10) "Consists of all the link elements from the wall plate to the switch" defines which of the following?

- A) Complete Link
- B) Full Channel
- C) Full Link
- D) Link
- E) None of these answers are correct.

Answer: B

11) The main cross-connect (MC) connects to which of the following? (Choose two.)

- A) Telco
- B) ISP
- C) Floor distributors
- D) Work station outlet

Answer: A, B

12) What is another name for an RJ-45 connector?

- A) 8C8P
- B) 8W8T
- C) 8P8C
- D) 8P8T

Answer: C

13) RG-6 and RG-59 cables are used in what type of systems? (Choose two.)

- A) Satellite
- B) Cable television
- C) DSL
- D) Fiber

Answer: A, B

14) What type of terminations are found with RG-6 and RG-59 cables? (Choose two.)

- A) G-type
- B) RJ-10
- C) F-type
- D) BNC

Answer: C, D

15) What are two types of punch-down blocks that might be found in an older system within the telecommunications closet? (Choose two.)

- A) 66 block
- B) 100 block
- C) 110 block
- D) 200 block

Answer: A, C

16) The RJ-48 connector is commonly used with what type of network connections?

- A) Ethernet
- B) Satellite
- C) Cable
- D) T1 lines

Answer: D

17) The RJ-48 connector uses what type of cabling?

- A) Twisted pair
- B) Wireless
- C) MMF
- D) SMF

Answer: A

18) What are two potential problems if you create a split pair connection when you are working with a straight-through patch cable? (Choose two.)

- A) Interference
- B) Attenuation
- C) Crosstalk
- D) Short

Answer: A, C