

Quiz Questions TD1

1. Which standardization body is responsible for setting global standards for telecommunications?
 - a) IEEE
 - b) ITU
 - c) ISO
 - d) W3C

2. Which type of optical fiber has a larger core and is designed for shorter distances?
 - a) Single-Mode Fiber
 - b) Multi-Mode Fiber

3. In a data communication system, which component is responsible for converting data into a form suitable for transmission?
 - a) Message
 - b) Receiver
 - c) Protocol
 - d) Sender

4. Which factor is NOT a design consideration for a transmission medium?
 - a) Bandwidth
 - b) Color
 - c) Noise and Interference
 - d) Propagation Delay

5. In a smart city setup, which standardization body might be most involved in defining standards for public Wi-Fi spots?
 - a) WHO
 - b) ITU
 - c) ICAO
 - d) FIFA

6. Which transmission medium is considered the most secure against external eavesdropping?
- Wireless
 - Twisted pair
 - Optical fiber
 - Coaxial cable
7. A hospital plans to implement telemedicine consultations. Which would be a primary concern?
- The color of the ethernet cables
 - The aesthetics of wireless routers
 - The security and privacy of patient data
 - The number of TV channels available
8. What would be a key consideration when setting up a network in a hospital's MRI (Magnetic Resonance Imaging) room?
- Ensuring maximum signal strength
 - Making the cables look aesthetic
 - Preventing any interference with the MRI machine
 - Using the longest cables available
9. A new office building is considering twisted pair cables for its network. What might dissuade them from using Cat 3 cables?
- They are too thin.
 - They support very high data speeds.
 - They are primarily for voice and have limited data speed.
 - They are wireless.
10. A smart city's waste management system uses sensors to notify when bins are full. What's the ideal communication method?
- a) Long-haul optical fibers
 - b) Satellite links
 - c) Short-range wireless transmissions

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- d) Coaxial cables