

## Question: 1

You are considering the implementation of a lab for testing wireless equipment. What is the primary benefit of such a lab? (Choose the single best answer.)

- A. Provides a way to repurpose old hardware that is not ready for final removal
- B. Provides a failover environment for your production systems
- C. Provides for testing to determine how much RF exposure you can tolerate
- D. Provides a safe environment in which to develop practical skills and knowledge of a technology and to test the technology

**Answer: C**

## Question: 2

What function does the IEEE perform in relation to wireless technologies?

- A. Designs wireless chipsets
- B. Represents industry vendors
- C. Promotes technology and standards development
- D. Brings wireless products to market

**Answer: A**

## Question: 3

What part(s) of the OSI network model does the IETF primarily focus on for the development of standards?

- A. Network Layer and above
- B. Physical Layer
- C. All layers
- D. Data Link Layer

**Answer: D**

## Question: 4

What is the role of the ITU in wireless communications?

- A. Defines international communications standards
- B. Oversees communications regulatory agencies in each country
- C. Coordinates the shared global use of the radio spectrum
- D. Establishes wireless radiation exposure limits

**Answer: C**

### Question: 5

What organization maintains and publishes the 802.15.4 Standard?

- A. Bluetooth SIG
- B. IETF
- C. Zigbee Alliance
- D. IEEE

**Answer: D**

### Question: 6

What is the typical range of a wireless body area network (WBAN)?

- A. 10 meters
- B. 1-2 meters
- C. 10 centimeters
- D. 10 square meters

**Answer: A**

### Question: 7

Which one of the following is NOT a typical Smart City application?

- A. City-wide municipal Wi-Fi
- B. Pollution monitoring
- C. Demand-based road tolling
- D. Self-driving ride sharing

**Answer: C**

### Question: 8

You have been asked to consider smart building opportunities for your organization. Which one of these is a benefit of smart building technology?

- A. Faster Wi-Fi connectivity
- B. Increased vacation time for building managers
- C. Reduced design and construction costs
- D. Improved operational efficiency

**Answer: B**

### Question: 9

What best describes the area covered or connected by a WWAN?

- A. Campus
- B. Region
- C. City
- D. In-building

**Answer: B**

### Question: 10

What is the benefit of using SINR as opposed to SNR to reference signal quality at a receiver?

- A. SNR excludes the noise floor, which skews the results
- B. SNR includes interference measurements that skew the results
- C. SINR includes interference as well as the noise floor
- D. SINR excludes interference and only measures the noise floor

**Answer: C**