

## 19EC621 – IOT AND WIRELESS SENSOR NETWORKS

### Puzzle Questions with Answers

#### 1. Riddle Puzzle (Internet-Based Communication & Protocols)

◆ I help you talk across the world,  
But my rules must be strictly unfurled.  
I transfer files with ease so neat,  
And port 21 is where we meet.  
Who am I?

✓ **Answer: FTP (File Transfer Protocol)**

#### 2. Logic Puzzle (IPv4, IPv6 & 6LoWPAN)

- ◆ Alice is setting up an IoT system. She has three devices:
- Device A uses a 32-bit address.
  - Device B is optimized for low-power wireless communication.
  - Device C uses a 128-bit address.

Match the devices to the correct IP addressing system:

1. IPv4
2. IPv6
3. 6LoWPAN

✓ **Answer:**

- Device A → IPv4 (32-bit address)
- Device B → 6LoWPAN (optimized for low-power networks)
- Device C → IPv6 (128-bit address)

#### 3. Crossword Puzzle Clue (Application Layer Protocols & Ports)

◆ I secure your web traffic, I keep data tight,  
On port 443, I guard day and night.  
Who am I?

✓ **Answer: HTTPS (Hypertext Transfer Protocol Secure)**