WiFi Training Program 2025

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Question-10:

What are PPDU, PLCP, and PMD in the PHY layer?

1. **PPDU (Physical Layer Protocol Data Unit)**
   - **It is he actual data frame sent over the wireless channel**
   - **It contains PLCP Preamble + PLCP Header + PSDU (MAC data)**
   - **It enables proper synchronization, decoding, and reception of data**

2. **PLCP (Physical Layer Convergence Protocol)**
   - **It is between MAC and PMD sublayers.**
   - **It converts MAC layer's MPDU into a format suitable for transmission**
   - **It adds Preamble and PHY header to create the PPDU**

3. **PMD (Physical Medium Dependent)**
   - **It deals with the actual transmission and reception of bits over the wireless medium**
   - **It is the lowest level, where data becomes electromagnetic signals that are transmitted through the air using antennas.**