WiFi Training Program 2025

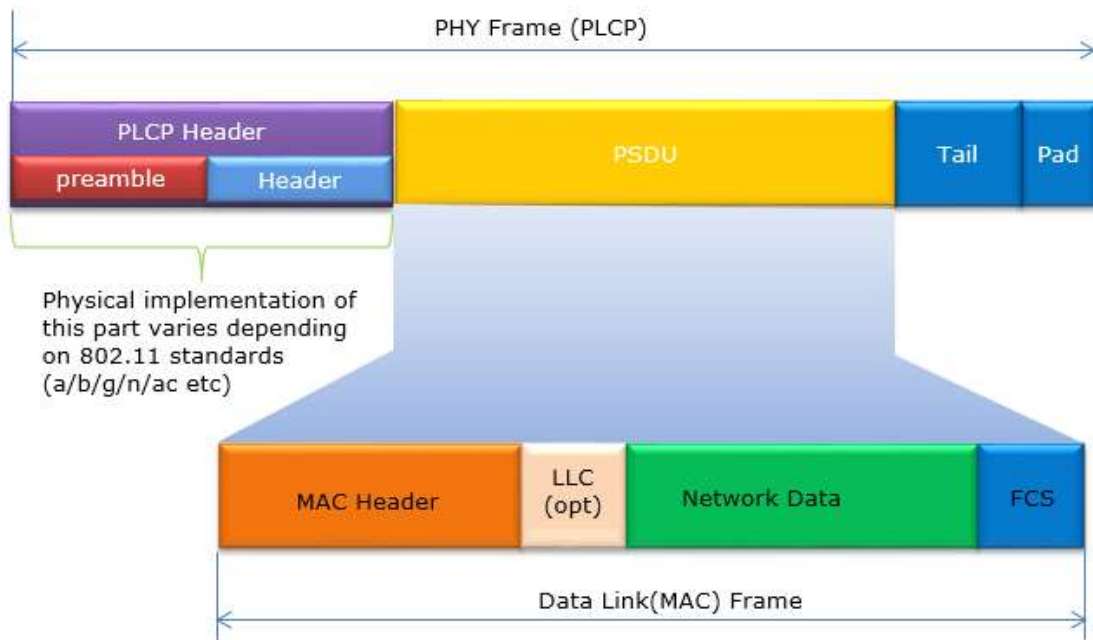**Name: Aswath S**

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Question-7:

Describe the structure of an 802.11 PHY layer frame. What are its key components?

1. **PLCP Preamble**

Used for synchronization and channel estimation by the receiver. It helps the receiver lock on to the signal and prepare for decoding.

2. **PLCP Header**

This tells the receiver how to interpret the incoming data. Like rate, length, service, tail, parity.

3. **PSDU (PLCP Service Data Unit)**

This is the actual MAC frame that carries user data like:

- **MAC header**

- **LLC (Logical Link Control)**

- **Payload (e.g., HTTP, VoIP, etc.)**

- **FCS (Frame Check Sequence)**