Q2. Explain the role of OFDMA in Wi-Fi 6 and how it improves network efficiency.

Orthogonal Frequency Division Multiple Access :

- Divides channels into smaller Resource Units (RUs).

- Multiple users can send/receive data simultaneously on different RUs.

- Reduces latency, improves network efficiency, especially in high-density environments.

Ex : Instead of waiting for their turn, several IoT devices transmit data at once using small slices of the channel.