

**Q3. Discuss the benefits of Target Wake Time (TWT) in Wi-Fi 6 for IoT devices.**

IoT Power Saver: Devices negotiate a specific schedule with the AP to wake up and transmit/receive data.

Advantages:

- Reduces battery usage
- Minimizes contention and collisions
- Extends device life and reduces airtime

**Q4. Explain the significance of the 6 GHz frequency band in Wi-Fi 6E.**

Clean and wide spectrum: Up to 1200 MHz of additional bandwidth.

Less interference: No legacy Wi-Fi devices, microwave ovens, or Bluetooth using this band.

It is ideal for AR/VR, 4K/8K streaming, ultra-low latency applications.

It enables more 80/160 MHz channels, provide better performance.