Q9) List down the type of Wi-Fi internet connectivity backhaul, share your home/college's wireless internet connectivity backhaul name and its properties.

**Home Connection:**

* **ISP Name:** JioFiber
* **Backhaul Type:** Fiber Optic
* **Speed:** 500 Mbps (Download/Upload)
* **Latency:** ~2-5 ms
* **Advantages:** Low latency, high speed, stable connection
* **Disadvantages:** Fiber installation cost is high

**College Wi-Fi Connection:**

* **ISP Name:** BSNL Bharat Fiber
* **Backhaul Type:** Fiber Optic
* **Speed:** 1 Gbps (LAN), 100 Mbps (Wi-Fi)
* **Latency:** ~5-10 ms
* **Advantages:** High-speed internet for multiple users
* **Disadvantages:** Wi-Fi speeds are lower than LAN speeds

**Conclusion:**

* **Fiber optic backhaul** is the fastest and most reliable option.
* **DSL and Cable** are slower but commonly used.
* **Satellite and Fixed Wireless** are suitable for remote areas.
* **Mesh Wi-Fi systems** improve coverage in large areas.