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**DEPARTMENT OF SOFTWARE ENGINEERING**

**SUPERIOR UNIVERSITY LAHORE (GOLD CAMPUS)**

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**Section: 5B**

**Subject: Computer Network**

**Task #: 2**

**Question #1: Why are we using 2911 router and not the others?**

**Answer:** The **Cisco 2911 router** is typically used because it supports:

1. **Scalability**: Ideal for medium to large networks with advanced services like security, VPN, and voice.
2. **Multiple Interfaces**: Has more WAN/LAN ports and expansion options compared to basic routers.
3. **Advanced Features**: Supports features like QoS, VPNs, and higher throughput for larger network traffic.

**Question #2: Why are we using 2950T or 2960 switch and not the others?**

**Answer:** The **Cisco 2950T** or **2960 switches** are used because they offer:

1. **Basic Layer 2 Switching**: Suitable for small to medium-sized networks with essential switching needs.
2. **Cost-Effective**: Affordable for basic setups without requiring advanced Layer 3 features.
3. **Simplicity**: Easy to configure and manage, ideal for straightforward LAN environments.

**Question #3: Design the network of "Lab-7" or “Lab-8” (2-3 rows of computers)**

**Use: Switch, Router, & End-Devices like Laptop/PC**

**Answer:**

