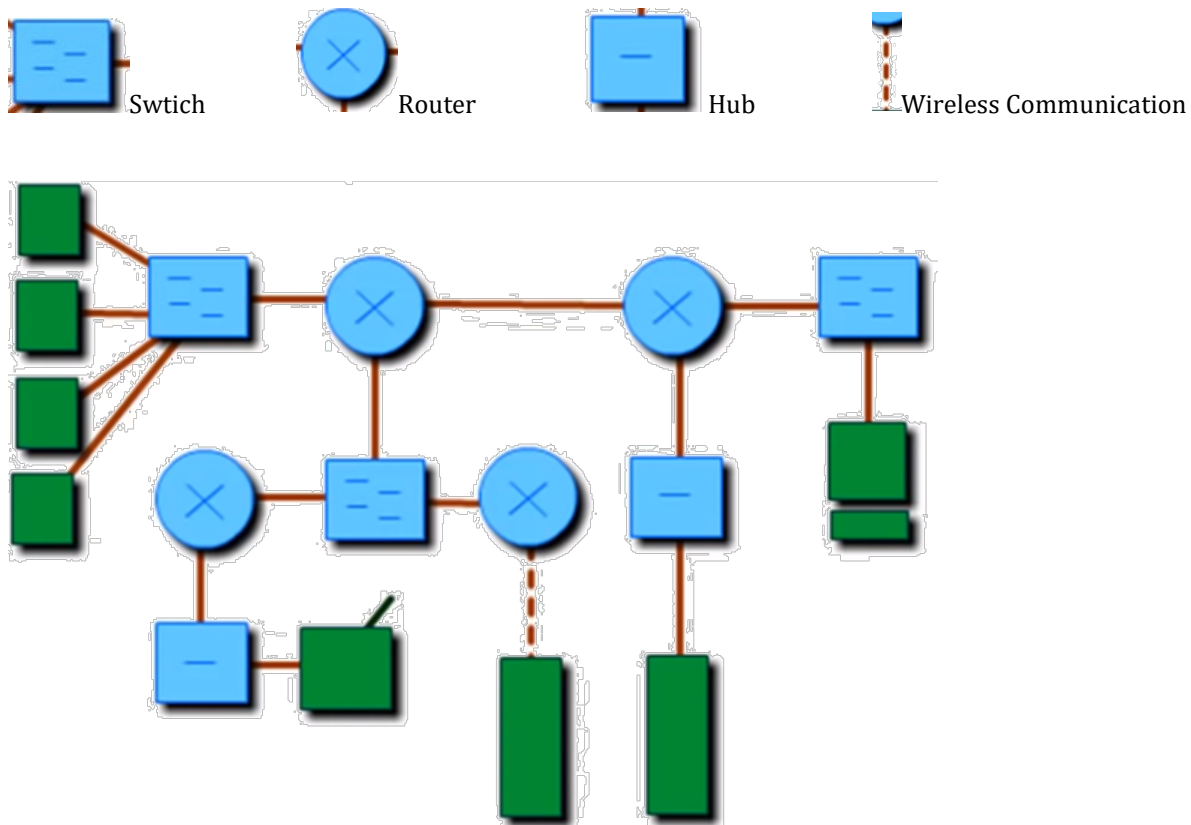# T04: Data Link Layer II

Q1: Show **byte-stuffing & destuffing** steps for the following data bits if **PPP frame** is used.

0100000101111101010000100111111001010000111000001000110

Q2: Describe the MAC protocol used in IEEE 802.3 Ethernet. Explain the purpose of exponential backoff delay.

Q3: How many broadcast domains and collisions domains are in the following network?

Swtich   Router   Hub   Wireless Communication

Q4: Why is CSMA/CD infeasible for wireless communication? Name and explain a solution in detail for sharing the wireless medium.

Q5: Why is it not safe to connect to a public WiFi access point or hotspot?