

COMPUTER NETWORK

UNIT-2

ASSIGNMENT

2

1. How does MPLS provide security and traffic control in such sensitive system?

Ans: Traffic Control:

↳ MPLS allows quality of service (QoS) to give priority to critical data (eg: biometric).

↳ Help avoid congestion, delay and ensure reliable delivery.

Security:

↳ MPLS creates private, isolated path for data (like a private highway), so data doesn't mix with public internet traffic.

↳ No IP routing - uses labels, which are harder to intercept.

2. What ^{role} does not VRF play in logical separation of service?

Ans: ↳ VRF creates multiple virtual routers on the same physical network.

↳ Each service (like police, health, or ID Data) can have its own separate path and routing table.

↳ Ensure data isolation and better security between services.