

Tutorial 8

1. Explain Multiprotocol Label Switching (MPLS) and why is it used in modern WANs.
2. Modern Wide Area Network (WAN) technologies are continually emerging. An organization has options to choose a modern Wide Area Network (WAN) to connect their Local Area Networks (LANs) to the remote LANs. Propose and illustrate the most appropriate modern WAN solution for the following scenario.
 - (i) A company with branches at different locations using Ethernet technology.
 - (ii) Local subscribers use coaxial cables to have Internet connection.
3.
 - (i) Suggest **TWO (2)** Internet-based broadband solutions.
 - (ii) Illustrate factors to be considered when selecting broadband solutions. Provide your assumptions.
4. Differentiate Two (2) traditional circuit-switched options.