

**(Based on remember)
Answer any five Questions.**

- 1) Discuss the uses of Hub and Switch. using them draw and explain LAN and interconnection of LANs. Discuss their suitability in the above scenario.
- 2) Give at least five different networking technologies used to interconnect the nodes. Enumerate and briefly explain the five basic issues that any of the networking technologies must address.
- 3) Compare and contrast a circuit-switched network and packet-switched network. Draw necessary diagrams and with the help of an example, explain the two scenarios.
- 4) Explain, in detail, the IEEE 802.5 standard.
- 5) Write short notes on the following:
 - (a) Asymmetric Key encryption
 - (b) Statistical Time Division multiplexing
 - (c) OSI Reference model
- 6) What is Encoding/Decoding process? Where is it used and why is it necessary? Give example of a few Encoding /Decoding technique.
- 7) Write Short notes on the following:
 - (a) Cascaded style sheet
 - (b) XSLT
- 8) Compare XML and HTML. Write codes for displaying your address in both XML and HTML. Compare and comment in the context of communication using XML and HTML.