Syllabus : Error detection and correction techniques, Framing and its types, Flow and error control, HDLC protocol, P2P protocol, Examples based on error detection and correction techniques.

Syllabus : Internet protocol and IPv4 packet format, Addressing, Physical addresses, Logical addresses, Port addresses, Specific addresses, IP address-Network part and Host part, Network masks, Network addresses and Broadcast addresses, Loop back address, Address classes, TCP and UDP connections, TCP performance in wireless network, Overview of IPv6, **IP routing :** Types of routing protocol, Border Gateway Protocol (BGP), Routing Information Protocol (RIP), Open Shortest Path First (OSPF), Routing table concept, Examples based on IP addressing and subnetting.

Syllabus : Introduction, Berkeley sockets, Specifying a protocol interface, The socket abstraction, System data structures for sockets, Specifying an endpoint address, A generic address structure, Major system calls used with sockets, Utility routines for integer conversion, Using socket calls in a program, (The socket can be created in any language).

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