

UNIT-II

S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	What is framing in data link layer?	L1	CO2	PO1
2	List error detection methods.	L1	CO2	PO1
3	What is parity bit and how does it work?	L1	CO2	PO1
4	Define CRC and its application.	L1	CO2	PO1
5	What is Hamming Code?	L1	CO2	PO1
6	What is flow control in data communication?	L1	CO2	PO1
7	Differentiate between noiseless and noisy channels.	L1	CO2	PO1
8	Define HDLC protocol.	L1	CO2	PO1
9	What is the role of PPP?	L1	CO2	PO1
10	Explain ALOHA protocol.	L1	CO2	PO1
Part – B (Long Answer Questions)				
11	a) Explain error detection techniques. Describe parity, CRC, and checksum methods.	L2	CO2	PO1, PO2
	b) Discuss the working of Hamming Code.	L2	CO2	PO1, PO2
12	a) Explain flow control mechanisms.	L2	CO2	PO1, PO2
	b) Compare stop-and-wait and sliding window.	L2	CO2	PO1, PO2
13	a) Differentiate between noiseless and noisy channels.	L3	CO2	PO1, PO2
	b) Explain HDLC in detail. Compare it with PPP.	L2	CO2	PO1, PO2
14	a) Describe various framing techniques.	L4	CO2	PO1, PO2
	b) Explain random, controlled and channelized access methods.	L2	CO2	PO1, PO2
15	a) What are the roles of MAC and LLC sublayers?	L2	CO2	PO1, PO2
	b) Compare Ethernet and Wireless LAN.	L2	CO2	PO1, PO2