

Assignment-2

(MAC layer, DLL, error detection and correction)

Short Answer Questions

- Q 1. What are the responsibilities of data link layer?
- Q 2. What is framing? Explain different types of framing protocols with their format.
- Q 3. If data is 011011111111100 what is the transmitted data and if received data is 011111100001110111110111101100111110 what is the actual data in HDLC framing?
- Q 4. Explain different error detection and correction mechanisms with examples
- Q 5. What are the functions of MAC?
- Q 6. What is CSMA? List the protocols used with CSMA.
- Q 7. Define the term carrier sense in CSMA/CD?
- Q 8. What is a bridge? What are the functions of bridges?
- Q 9. What is the use of switches? Differentiate circuit switching and packet switching.
- Q 10. Compare datagram approach and virtual circuit approach.
- Q 11. How does a given bridge learn whether it should forward a multicast frame over a given port?