Assignment # 3

Due Date: 5th June 2020 11:59 PM

1. Suppose transmission channels become virtually error-free. Is the data link layer still needed? Explain your answer.
2. Suppose a computer is moved from CSE department to Mechanical department. Does the physical address need to change? Does the IP address need to change? Does it make a difference if the computer is a workstation?
3. Using an example of your own, explain CRC.
4. Compare Repeaters, Hubs, Bridges, Switches and Routers.
5. Explain Point-to-Point Protocol (PPP).
6. Explain the components of the Router and its working, including router architecture.
7. What is SDN, explain its working.
8. What is SNMP, explain its working.