CYBER SECURITY ASSIGNMENT QUESTION

DAY 20

1. Explain the internal operations of a packet switching network, including packet forwarding, switching techniques, and addressing.

2.Describe the concept of routing in packet networks and discuss its significance in data transmission.

3.Explain the concept of the Shortest Path Routing Algorithm and discuss its applications in network routing.

4.Discuss the Bellman-Ford Algorithm for finding the shortest paths in a weighted graph and explain its operation.

5.Explain Dijkstra's Algorithm for finding the shortest paths in a graph with non-negative edge weights and discuss its advantages and limitations.