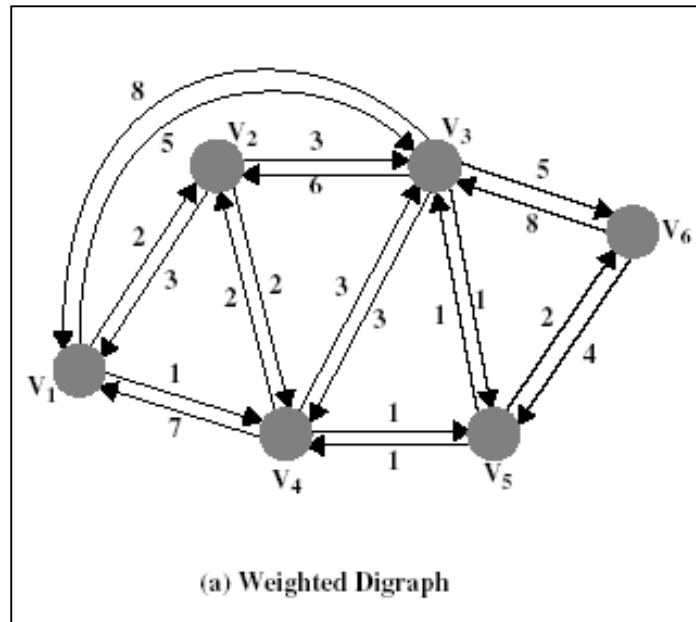


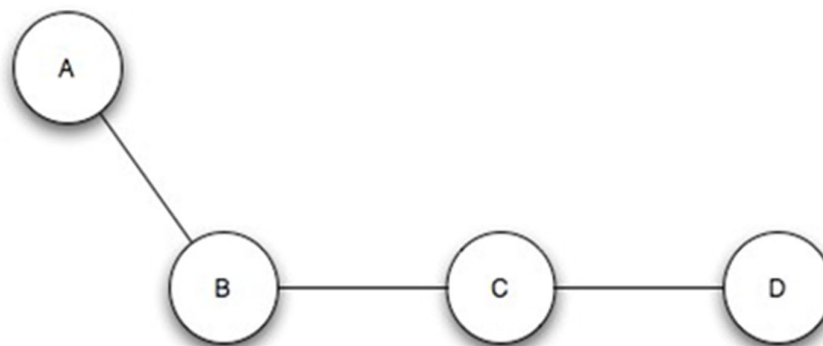
T06: Network Layer II

Q1: Using Dijkstra's algorithm, generate a least-cost route to all other nodes for Node V2 in the Figure below.



Q2: Repeat the last question with Bellman Ford algorithm?

Q3: Refer to the diagram below. The link from router A to router B fails, explain how this may cause the “count to infinity” problem in a distance vector routing protocol. Illustrate your answer with the routing tables in the effected routers?



Q4: What is the purpose of Hold-down timer in RIP?

Q5: Between RIP and OSPF, which is more suitable for a large network? Explain in detail.