

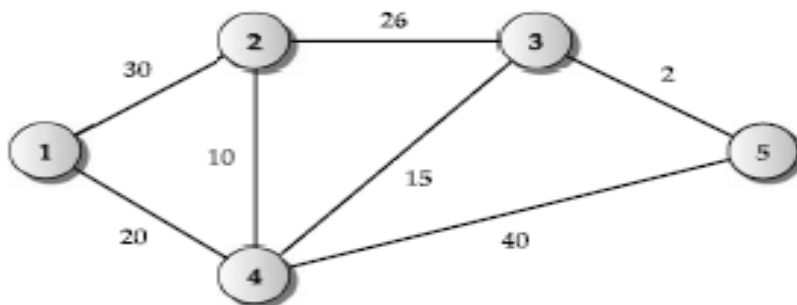
**SRM Institute of Science and Technology**  
**NCR campus Modinagar**  
**Department of Computer Science and Engineering**  
**CSE 6th Semester**

**Subject: Network Routing Algorithms(18CSE453T)**

Note: All Question Should be Attempted.

**Assignment 3**

1. Differentiate between Bellman-Ford Algorithm and Distance Vector Approach.
2. What are the advantages of link-state routing compared to distance-vector routing?
3. Explain Multi-commodity Network Flow
4. List out Various Routing algorithm and explain any one in details
5. Consider the following graph. Assume that all the numbers represent the bandwidth. Determine the widest path from node 1 to 5 using path caching approach.



6. Explain network flow modelling in detail with comparison of both of the types.