1. Fill in the blanks: (12 points) 2pts each
   a. _______ and _______ are the Internet's transport protocols.
   b. ___________________ is the mechanism TCP uses to perform flow control.
   c. Domain name is formed by ______________________ and _____________________.
   d. A client computer calls a ________________ for name resolution.

2. Using TCP,
   • How does the sender know that its packets made it to the destination? 2 points
   • How does the sender detect when a packet gets lost? 2 points
   • What does the sender do to recover from packet losses? 2 points
• Is it possible for a receiver to receive more than one copy of the same packet? Explain. 2 points

3. What is flow control? Why is it required? What mechanisms does TCP use for flow control? 4 points

4. What happens when queue becomes too long? 2 points
5. What is congestion window and receiver’s advertised window? How does TCP control congestion using these two windows? 4 points

6. List 2 differences between TCP and UDP. 4 points

7. Explain what happens when user clicks on www.w3.org/hypertext/WWW/TheProject.html. 4 points
8. Match the following HTTP operations: 4 points

GET Request to read web page’s header
PUT Connects 2 objects
HEAD Request to read web page
LINK Request to store web page

9. What is a Cookie? Why is it useful? 4 points

10. What are Plugins? Give 2 examples of plugins. 4 points