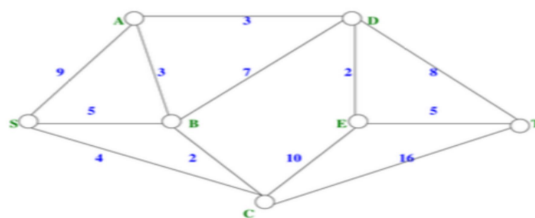


Question Bank

1. What are the difference between UDP and TCP
2. What do you mean by ARQ and RARQ address mapping
3. Write the difference between IPV4 and IPV6
4. Define the following :
 - i) Leaky Bucket and Token Bucket algorithm
 - ii) Unicast and Multicast routing protocols
 - iii) Broadcast routing protocols
 - iv) ARP and RARP address mapping protocol
5. Explain the following:
 - a) architecture of WWW
 - b) Quality of Service(QoS)
6. Write a short note on the following:
 - i) SMTP
 - ii) HTTP
 - iii) FTP
 - iv) DNS
 - v) Multimedia
 - vi) Email
7. In class C , if subnet mask is 255.255.255.234 then calculates number of subnet?
8. In a Class B network, if the subnet mask is 255.255.232.0, what is the maximum number of hosts per subnet?
9. Find the classes of each address:
 - i) 48.50.65.35
 - ii) 224.35.87.62
 - iii) 48.35.211.6
 - iv) 223.3.65.122
10. Change the following IPv4 address from Dotted-Decimal notation to Binary Notation:
 - i) 24.22.5.56
 - ii) 223.3.65.122
 - iii) 36.21.45.63
 - iv) 23.34.65.10
11. Design the Shortest path routing algorithm and evaluate the shortest path from (S to T)



12. Explain CSMA/CD with an example
13. Explain the IP addressing with subnet Masking
14. Describe the elements of transport protocols
15. Explain the services provided by the network security
16. Explain Distance Vector Routing Protocol with suitable example
17. What do you understand by Connectionless and Connection – oriented service
18. What is POP3? Explain TCP header format?
19. Draw header format of HTTP reply message
20. What is the purpose of Subnetting? Explain the uses of masking in Subnetting?