

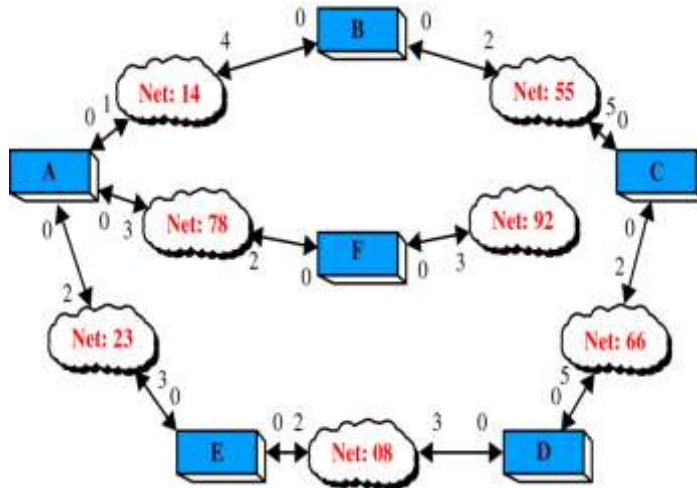


PART – B (5 x 3= 15 Marks)

- 6. Describe the perspective requirements for building a network? CO1 -R
- 7. How can hidden terminal problem be detected in 802.11 networks? CO2 -R
- 8. Explain about classes in IP Address. Give example. CO3 -R
- 9. Differentiate Flow control and Congestion control CO4 -R
- 10. Why we are using firewalls? Give example CO5- R

PART – C (5 x 16= 80Marks)

- 11. (a) Explain Layers in OSI/ model in detail CO1- App (16)  
 Or  
 (b) Explain in detail about byte oriented protocols CO1 -App (16)
- 12. (a) Compare the functionalities of stop and wait protocol & Sliding window Protocol, What are the major differences in the data transmission. CO2- App (16)  
 Or  
 (b) Examine the working principle of CSMA/CD and how it affects the collision domain in ethernet. CO2- Ana (16)
- 13. (a) CO3 -Ana (16)



- (i) Using the above figure, find the shortest path tree and the routing table for router B.
- (ii) Using the above figure, find the shortest path tree and the routing table for router F.

Or

- (b) Explain in detail about of multicast routing with neat diagrams. CO3 -Ana (16)

14. (a) Compare and contrast the functionalities of TCP with UDP CO4 -U (16)  
Or  
(b) Define Congestion. Explain TCP congestion control mechanisms CO4- Ana (16)  
in detail.
15. (a) Discuss the features of HTTP and also discuss how HTTP works. CO5- U (16)  
Or  
(b) What is the need for DNS? Explain the role of DNS on a CO5 -U (16)  
computer network

