Title of the Paper : Computer Networks Sub.Code : **16SCCCA8**

SECTION – A (10 X 2 = 20 Marks)

1. What is Data Communication ?
2. Why are Protocol needed ?
3. Define Network ?
4. Identify the five components of a Data communication system.
5. What are the three criteria necessary for an effective and efficient network ?
6. Specify the two types of Line Configurations.
7. What is an internet ? and What is the Internet ?
8. Categorize the four topologies in terms of Line Configuration.
9. What is TCP timer ?
10. Define : WWW

SECTION – B (5 X 5 = 25 Marks)

11(a) Explain the types of Communication between two devices.

(or)

(b) Explain network criteria

12(a) Explain the Basic Topologies.

(or)

(b) What are the different ways to access the internet ?

13(a) Write a short note on MAC .

(or)

(b) Write a note on (a) Contention window (b) Polling (c) Reservation.

14(a) Explain flow control.

(or)

(b) Write a short note on Client Server Programming.

15(a) Explain windows in TCP.

(or)

(b) Explain IPV4 and IPV6 addressing.

SECTION – C (3 X 10 = 30)

Answer Any THREE Questions

16. Explain the Network types with neat diagram.

17. Explain (i) Circuit Switched Network (ii) Packet Switched Network.

18. Write down the functions of each layer.

19. Explain routing algorithms and TCP congestion control.

20. Explain (a) FTP (b) HTTP (c) E-mail (d) DNS.