

S.No. 5261

**16 SCCCS 6/
16 SCCIT 6/16 SCCCA 8**

(For candidates admitted from 2016–2017 onwards)

B.C.A./B.Sc. DEGREE EXAMINATION, APRIL 2022

**Part III – Information Technology / Computer Science /
Computer Applications – Major**

COMPUTER NETWORKS

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20)

Answer ALL questions.

- 1. Define Bandwidth Utilization.**
- 2. What is mean by Multiplexing?**
- 3. What is Cyclic Code?**
- 4. What is the use of Connection devices?**
- 5. Define the Packet Switching.**
- 6. Write down the advantages of IPV4 addressing?**
- 7. List out the TCP services.**

8. What are the TCP timers available?
9. Define WWW.

10. Write short note on an Email.

SECTION B — ($5 \times 5 = 25$)

Answer ALL questions, choosing either (a) or (b).

11. (a) Discuss the OSI reference model system.

Or

(b) Explain the Switching techniques.

12. (a) Briefly explain about the Forward error correction.

Or

(b) Define the satellite network with example.

13. (a) Explain about the Network layer services in detail.

Or

(b) Explain about Path vector routing algorithm.

14. (a) Give a short note on User Datagram protocol.

Or

(b) List various features of TCP.

15. (a) Briefly explain the Client server programming.

Or

(b) Discuss about FTP in detail.

SECTION C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Discuss in detail about the Transmission media in detail.

17. Explain in detail about the Wireless Networks.

18. Detail discuss about IPV6 addressing.

19. Explain in detail about the TCP congestion control.

20. Explain in detail about Domain Name System.