

ELECTRONICS SWITCHING (EEC-802)

Important Question

1. Discuss the evolution of digital switching system. Explain the block diagram subscriber's line interface circuit for a digital exchange.
2. Discuss why digital telephonic is suitable for electronic exchange. using block diagram define "BORSCHT"
3. What do you understand by manual switching system? Describe the functions of manual switching systems. Also gives the limitations of the manual switching systems.
4. Discuss components of Strowger Switching System.
5. What is crossbar switching system? Explain.
6. What do you meant by general trunking? Explain the principle of reed relay.
7. What is digital switching? Discuss advantages and disadvantages of digital switching over analog switching.
8. Draw and discuss the three stage non-blocking switching network using LEE graph.
9. Compare circuit switching and packet switching.
10. What do you understand by time-division switching?
11. Differentiate between time division switching and space division switching?
12. Explain the following:
 - a. Time space switch
 - b. Time space time switch
13. Explain the following:
 - a. Space time space switch
 - b. TSSST switch

14. Explain the three types of busy hour recommended by CCITT.
15. What do you mean by traffic intensity?
16. What do you understand by congestion?
17. Differentiate between loss system and delay system.
18. Derive the steady state equations of birth death process.
19. Discuss the discrete time discrete state markov Process.
20. What is renewal process? Explain.
21. Explain the concept of centralized SPC and distributed SPC with level of processing.
22. What are various software used in SPC working?
23. Enlist the various signaling techniques used in telecom network. Explain common channel signaling with SS7 architecture.
24. Explain HDLC protocol.
25. Explain TCP/IP model.
26. What is X.25? Explain.
27. What do you mean by statistical multiplexing?
28. What do you understand by ATM? List the advantages and disadvantages of ATM.
29. Draw and discuss the ATM cell formats. Discuss the ATM applications.
30. What do you mean by Banyan Network switch?
31. Explain ATM adaptive layers.