



SAIVA BHANU KSHATRIYA COLLEGE
(Aruppukottai Nadargal Uravinmurai Pothu Abi Viruthi Trustuku Pathiyappattathu)

ARUPPUKOTTAI
QUESTION BANK

Name of the Department :	Information Technology	UG / PG :	UG
Semester (UG - III & V; PG - III) :	V semester	Subject Code :	SNTJC51
Name of the Subject :	Computer Network		

Section A (Multiple Choice Questions)

Unit I: (Network Architecture and OSI model, Error Correction and detection techniques)

- _____ topology is a connection path for data with no logical beginning or ending points and thus no termination.
(a) Mesh (b) Star (c) Ring (d) Bus
- A network uses a _____ topology, if all computers are attached to the central point.
(a) Star (b) Mesh (c) Bus (d) Ring
- The _____ layer provides for the transfer of frames across a transmission link that directly connects two nodes.
(a) Physical (b) Data link (c) Network (d) Transport
- Which one is example of unguided transmission media?
(a) Coaxial cable (b) Twisted Pair (c) Infra red (d) Optical fibre
- Error control in the data link layers is based on _____.
(a) Automatic Repeat Request (b) Sliding window (c) Go-back (d) Stop and wait

Unit II: (LAN and WAN)

- _____ control access to the transmission medium in IEEE802.3 standard.
(a) LLC (b) MAC (c) Token bus (d) Token Ring
- Token bus operates under a collision free environment similar to _____.
(a) Ethernet (b) Token ring (c) CSMA/CD (d) All of the above
- _____ divides the channels in to frequencies instead of time slots.
(a) TDMA (b) FDMA (c) SMA (d) WAN
- _____ WAN technology for delivering voice, data and video services over telephone line.
(a) SONET (b) Socket (c) ISDN (d) ITU-IT
- _____ is Primarily used by PC to send IP over dial up connection when dialing in to an ISP for connection to the internet.
(a) PPP (b) ISDN (c) Packet switching (d) X.25

Unit III: (ISDN and Wireless LAN)

- In the ISDN services used the _____ channels to convey the user's voice ,audio data and video signals.
(a) B-channel (b) D-channel (c) BRI (d) PRI
- _____ is to integrate real time data and non real time data.
(a) X.25 (b) Frame relay (c) ATM (d) ISDN
- _____ is originally designed for transport across integrated services digital network infrastructure.
(a) ISDN (b) Frame Relay (c) X.25 (d) ATM
- _____ scheme that generates a redundant bit pattern for each transmitted bit.
(a) FHSS (b) DSSS (c) spread spectrum (d) OFDM
- _____ system assign pseudo random digital codes to each active subscriber.
(a) TDMA (b) CDMA (c) FDMA (d) All of the above

Unit IV: (Internetworking and TCP reliable transport services)



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16. _____ involves the establishment of a fixed path often called a virtual circuit or a connection.
(a) Virtual circuit (b) DSSS (c) FHSS (d) VPN
17. _____ type of routing that once a node determines its routing table, the node does not change it.
(a) Distributive (b) static (c) Adaptive (d) centralized
18. During the process of broad casting, _____ send a packet to every address on the network.
(a) IPV4 (b) IPV6 (c) IETF (d) None of These
19. _____ Protocol is also called End-To-End protocol.
(a) UDP (b) TCP (c) PPP (d) SMTP
20. _____ is delivery and duplicate protection are not guaranteed.
(a) TCP (b) UDP (c) PPP (d) FTP

Unit V: (Network Application and Network Management)

21. The unique naming scheme used in the Internet is called _____.
(a) WWW (b) HTTP (c) DNS (d) TELNET
22. _____ permits transfer of an arbitrary file and includes a mechanism that allows files to have ownership and access restrictions.
(a) Server (b) FTP (c) TCP (d) Client
23. POP is called _____.
(a) Post Office Protocol (b) Pull Of Protocol (c) Push off Protocol (d) None of the above
24. The _____ is a management protocol designed to make sure network protocols and devices not only work but work well.
(a) SNMP (b) SMTP (c) FTP (d) TCP
25. _____ protocol is used to count and track the number of control messages.
(a) ICMP (b) FTP (c) UDP (d) TCP

Section B (7 mark Questions)

Unit I: (Network Architecture and OSI model, Error Correction and detection techniques)

26. Write the application of computer network:-
27. Explain the categories of network:-
28. Explain the various topologies and its advantages and disadvantages:-
29. Explain the Digital to analog conversion:-
30. Explain the various Error detection methods:-

Unit II: (LAN and WAN)

31. List out the LAN transmission equipments and explain briefly any TWO :-
32. Explain the concept of IEEE 802.3 :Ethernet:-
33. Difference between CSMA and CSMA/CD:-
34. Explain the Comparison of TDMA, FDMA and SMA:-
35. Explain WAN Carrier types with examples:-

Unit III: (ISDN and Wireless LAN)

36. Explain the ISDN services:-
37. Explain the ISDN topologies:-
38. List out the WLAN Applications and explain any TWO:-
39. Explain IEEE 802.11 layer architecture:-
40. Explain the WAP services:-

Unit IV: (Internetworking and TCP reliable transport services)



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41. Discuss about principles of Internetworking:-
42. Explain about IPV4 and its services:-
43. Compare IPV4 and IPV6 and its functions:-
44. Explain the services of TCP:-
45. Explain the services of UDP:-

Unit V: (Network Application and Network Management)

46. Explain about Client server Model:-
47. Write about DNS with example:-
48. Explain the concept of WWW:-
49. Explain the working model of E-mail:-
50. Explain the Network Management model:-

Section C (10 mark Questions)

Unit I: (Network Architecture and OSI model, Error Correction and detection techniques)

51. Explain the OSI layer and its functions with neat diagram:-
52. Briefly Explain about Transmission media and its types with example:-

Unit II: (LAN and WAN)

53. Explain FDDI and DQDB structure and its working principles:-
54. Explain the various WAN Protocols:-

Unit III: (ISDN and Wireless LAN)

55. Explain the brief structure of ATM and its functions:-
56. Discuss the Wireless LAN layout with neat diagram:-

Unit IV: (Internetworking and TCP reliable transport services)

57. Explain briefly about any TWO routing algorithm:-
58. How to work TCP and explain its functions and applications:-

Unit V: (Network Application and Network Management)

59. Explain the concept of File Transfer Protocol:-
60. Write briefly about the goal of Network management:-