Name:	Entry No:
	120 minutes; Please mark your answers in the space provided.
	hairre (a b. a) NOTCAT - News afthe absines (a b. a)

(d) AOTCAT = All of the choices (a,b,c) NOTCAT = None of the choices (a,b,c)  SAMPLE ANSWER: To mark choice D = all the choices (a,b,c)	A B C E
For security, Bluetooth uses (a) FDMA (b) FSS (c ) FH-DSS (d) AOTCAT (e) NOTCAT	ABCDE
2. ATM is at (a) Layer 1-2 (b) Layer 2-3 (c) Layer 3-4 (d) AOTCAT (e) NOTCAT	ABCDE
3. DWDM needs 40 nm optical filters (a) true (b) false (c) only at layer 3 (d) AOTCAT (e) NOTCAT	ABCDE
4. Frame relay is atechnology (a) access (b) edge (c) deep core (d) AOTCAT (e) NOTCAT	ABCDE
5. HLR is present in (a) EVDO (b) EVDV (c ) CSMA (d) AOTCAT (e) NOTCAT	ABCDE
6. AuC is present in (a) TDM (b) 802.11 (c ) dBASE (d) AOTCAT (e) NOTCAT	
7. CBR/VBR are layers (a) AAL (b) AAP (c) AAM (d) AOTCAT (e) NOTCAT	ABCDE
8. SS5 is a layer (a) signaling (b) channeling (c ) tunneling (d) AOTCAT (e) NOTCAT	ABCDE
9. E3 is a link (a) layer-3 (b) layer-2 (c) layer-1 (d) AOTCAT (e) NOTCAT	ABCDE
10. The PDH links are synchronous (a) fully (b) serni (c ) quasi (d) AOTCAT (e) NOTCAT	ABCDE
11. Jitter is not compensated for in (a) E1 (b) T1 (c ) E3 (d) AOTCAT (e) NOTCAT	ABCDE
12. SNMP is a management protocol (a) True (b) false (c) sometimes (d) AOTCAT (e) NOTCAT	ABCDE
13. RMON is UDP/IP based (a) True (b) false (c) sometimes (d) AOTCAT (e) NOTCAT	ABCDE
14. CMIP is stateless (a) True (b) false (c) sometimes (d) AOTCAT (e) NOTCAT	ABCDE
15. IGMP and ICMP are interchangeable (a) true (b) false (c) sometimes (d) AOTCAT (e) NOTCAT	ABCDE
16. FTP uses two connections (a) true (b) false (c ) sometimes (d) AOTCAT (e) NOTCAT	ABCDE
17. Rewriting VCI:VPI results in (a) switching (b) cell-dropping (c) call-dropping (d) AOTCAT (e) NOTCAT	ABCDE
18. GFC is at the UNI (a) true (b) false (c) sometimes (d) AOTCAT (e) NOTCAT	ABCDE
19. ATM does error(a) detection (b) correction (c ) defection (d) AOTCAT (e) NOTCAT	ABCDE
20. K1,K2 are for (a) protection (b) parity check (c) scrambling (d) AOTCAT (e) NOTCAT	ABCDE
21. BIP is calculated over the frame (a) current (b) previous (c) previous two (d) AOTCAT (e) NOTCAT	ABCDE
22. Order-wire links get kbps (a) 64 (b) 128 (c ) a column (d) AOTCAT (e) NOTCAT	ABCDE
23. Alignment bytes are (a) mandatory (b) optional (c ) sometimes checked (d) AOTCAT (e) NOTCAT	ABCDE
24. HPOH bytes are in the (a) VC (b) MSOH (c) RSOH (d) AOTCAT (e) NOTCAT	ABCDE
25. Pointers ensure (a) synchronicity (b) asynchronicity (c) anti-jitter capability (d) AOTCAT (e) NOTCAT	ABCDE
26. MSC are wired using SDH (a) true (b) false (c) sometimes (d) AOTCAT (e) NOTCAT	ABCDE
27. IMEI and IMSI are linked (a) in GSM (b) in CDMA (c) in TDMA (d) AOTCAT (e) NOTCAT	ABCDE
28. RLC occurs in all wireless networks (a) true (b) false (c) in RF networks only (d) AOTCAT (e) NOTCAT	ABCDE
29. ISUP handles ISDN (a) true (b) true in IP (c) true in SS5 (d) AOTCAT (e) NOTCAT	ABCDE
30. MTP 1 to 3 are packet based (a) true (b) true in SIGTRAN (c ) true if E1 is used (d) AOTCAT (e) NOTCAT	ABCDE
31. MiBs are databases (a) ASCII (b) ASN.1 (c ) Relational	ABCDE
32. Telecom networks use SNMP while computer networks use CMIP (a) True (b) false (c ) partly false	ABCDE
33. UNI GFC subfields (a) has (b) does not have (c) avoids (d)AOTCAT (e)NOTCAT	ABCDE
34. Triple play involves (a) audio, video, speech (b) speech, data, video (c) audio, video, data (d) AOTCAT (e) NOTCAT	ABCDE

42. PDH is mappable into	35. Cells in a single message have a common (a) VCI (b) VPI (c ) VCI:VPI (d) AOTCAT (e)NOTCAT	ABCDE
38. CLP is set intraffic (a) CBR (b) VBR (c) JUBR (d)AOTCAT (e)NOTCAT AB CDE  39is connectionless (a) AAL4 (b) AAL3 (c) AAL2 (d)AOTCAT (e)NOTCAT AB CDE  40. There is no sequencing in (a) AAL5 (b) JUDP (c) Network Time Protocol (d)AOTCAT (e)NOTCAT AB CDE  41. STS1 frames run atMbps (a) 51.84 (b) 55.84 (c) 84.58 (d)AOTCAT (e)NOTCAT AB CDE  42. PDH is mappable into (a) SDH (b) STM-16 (c) 622.08 Mbps (d)AOTCAT (e)NOTCAT AB CDE  43. Fixed one-byte offset in pointers fit in (a) H1 (b) H2 (c) H3 (d)AOTCAT (e)NOTCAT AB CDE  44. LINDS is awritesiss technology (e) fixed (b) point-multipoint (c) point-point (d)AOTCAT (e)NOTCAT AB CDE  45. C- and L-band occur in (a)CWDM (b) DWDM (c) VSAT (d)AOTCAT (e)NOTCAT AB CDE  46. Wifmax has a range ofkms (a) 10 (b) 50 (c) 100 (d)AOTCAT (e)NOTCAT AB CDE  47. The Physical layer if Wifmax is (a)OFDM (b) ADPSK (c) 640AM (d)AOTCAT (e)NOTCAT AB CDE  48. Wifmax needs (a) LOS (b) licenseed frequencies (c) no video inputs (d)AOTCAT (e)NOTCAT AB CDE  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT AB CDE  50. For a file sharing network aWiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT AB CDE  51. Pre-Unified Licensing 2003, _was used to achieve rearming. (a) PDPS (b) EGGE (c) WLL (d)AOTCAT (e)NOTCAT AB CDE  52has a appeliate role (a) TDSAT (b) TRAI (c) WPC (d)AOTCAT (e)NOTCAT AB CDE  53exist (a) NTP94 (b) NTP99 (c) Broadband Policy 2004 (d)AOTCAT (e)NOTCAT AB CDE  54. Broadband is defined as greater than (a) 256 kbps (b) 256 KBPS (c) 256 kilobaud /s (d)AOTCAT (e)NOTCAT AB CDE  55. NIXI connects (a) villages (b) metros (c) international VSAT gateways (d)AOTCAT (e)NOTCAT AB CDE  56. Access providers can provision Voll India-wide (a) true (b) true in Metros (c) false (d)AOTCAT (e)NOTCAT AB CDE  57. EVDW is aservice (a) vioce (b) video (c) data (d)AOTCAT (e)NOTCAT (e)NOTCAT AB CDE  58. PONs use (a) WDM (b) 622 Mbps to 2.5 Gbps rates (c) power-spittus (d)AOTCAT (e)NOTCAT AB CDE  59. At the Layer	36. A banyan switch is (a) self-routed (b) centrally routed (c ) 3-stage (d)AOTCAT (e)NOTCAT	ABCDE
38. CLP is set in trainc (a) CBR (b) VBR (c) UBR (d)AOTCAT (e)NOTCAT	37. ATM has physical layer (a) native (b) no (c ) SONET as its (d)AOTCAT (e)NOTCAT	
40. There is no sequencing in (a) AAL5 (b) UDP (c) Network Time Protocol (d)AOTCAT (e)NOTCAT AB CDE 41. STSI frames run at Mbps (a) 51.84 (b) 55.84 (c) 84.58 (d)AOTCAT (e)NOTCAT AB CDE 42. PDH is mappable into (a) SDH (b) STM-16 (c) 522.08 Mbps (d)AOTCAT (e)NOTCAT AB CDE 43. Fixed one-byte offset in pointers fit in (a) H1 (b) H2 (c) H3 (d)AOTCAT (e)NOTCAT AB CDE 44. LMDS is a wireless technology (a) fixed (b) point-multipoint (c) point-point (d)AOTCAT (e)NOTCAT AB CDE 45. C- and L-band occur in (a)CWDM (b) DWDM (c) VSAT (d)AOTCAT (e)NOTCAT AB CDE 46. WiMax has a range of kms (a) 10 (b) 50 (c) 100 (d)AOTCAT (e)NOTCAT AB CDE 47. The Physical layer if WiMax is (a)OFDM (b) QPSK (c) 64QAM (d)AOTCAT (e)NOTCAT AB CDE 48. WiMax needs (a) LOS (b) licensed frequencies (c) no video inputs (d)AOTCAT (e)NOTCAT AB CDE 49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT AB CDE 50. For a file sharing network a WiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT AB CDE 51. Pre-Unified Licensing 2003, was used to achieve reaming, (a) GPSR (b) EDGE (c) WLL (d)AOTCAT (e)NOTCAT AB CDE 52 has a appellate role (a) TDSAT (b) TRAI (c) WPC (d)AOTCAT (e)NOTCAT AB CDE 53 wsist (a) NTP94 (b) NTP99 (c) Broadband Polocy 2004 (d)AOTCAT (e)NOTCAT AB CDE 54. Broadband is defined as greater tham (a) 256 kbps (b) 256 kBpS (c) 256 kBobaud is (d)AOTCAT (e)NOTCAT AB CDE 55. NIXI connects (a) villages (b) metros (c) international VSAT gateways (d)AOTCAT (e)NOTCAT AB CDE 56. Access providers can provision Voll India-wide (a) true (b) true in Metros (c) false (d)AOTCAT (e)NOTCAT AB CDE 57. EVDV is a service (a) voice (b) video (c) data (d)AOTCAT (e)NOTCAT (e)NOTCAT AB CDE 58. PONs use (a) WDM (b) 622 Mbps to 2.5 Gbps rates (c) power-splitters (d)AOTCAT (e)NOTCAT AB CDE 69. PINX signaling is compliant (a) SiGTRAN (b) Q.931 (c) QSIG (d)AOTCAT (e)NOTCAT (e)NOTCAT AB CDE 61. Theteference point isspecific (a) U (b) S (c) T (d)AOTCAT (e)NOTCAT (e)NOTCAT AB	38. CLP is set in traffic (a) CBR (b) VBR (c ) UBR (d)AOTCAT (e)NOTCAT	
41. STSI frames run atMbps (a) \$1.84 (b) \$5.84 (c) \$4.58 (d)AOTCAT (e)NOTCAT	39 is connectionless (a) AAL4 (b) AAL3 (c ) AAL2 (d)AOTCAT (e)NOTCAT	
41. STS trainers run etmobs (a) 51.84 (b) 55.84 (c) 54.38 (d)AOTCAT (e)NOTCAT ABCDE 42. PDH is mappable into (a) SDH (b) STM-16 (c) 622.08 Mbps (d)AOTCAT (e)NOTCAT ABCDE 43. Fixed one-byte offset in pointers fit in (a) H1 (b) H2 (e) H3 (d)AOTCAT (e)NOTCAT ABCDE 44. LMDS is awireless technology (a) fixed (b) point-multipoint (c) point-point (d)AOTCAT (e)NOTCAT ABCDE 45. C- and L-band occur in (a)CWDM (b) DWDM (c) VSAT (d)AOTCAT (e)NOTCAT ABCDE 46. WiMax has a range ofkms (a) 10 (b) 50 (c) 100 (d)AOTCAT (e)NOTCAT ABCDE 47. The Physical layer if WiMax is (a)OFDM (b) OPSK (c) 640AM (d)AOTCAT (e)NOTCAT ABCDE 48. WiMax needs (a) LOS (b) licensed frequencies (c) no video inputs (d)AOTCAT (e)NOTCAT ABCDE 49. Wiff is uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT ABCDE 50. For a file sharing network aWiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT ABCDE 51. Pre-Unified Licensing 2003,was used to achieve roaming. (a) GPRS (b) EDGE (c) WLL (d)AOTCAT (e)NOTCAT ABCDE 52has a appeliate role (a) TDSAT (b) TRAI (c) WPC (d)AOTCAT (e)NOTCAT ABCDE 53exist (a) NTP94 (b) NTP99 (c) Broadband Policy 2004 (d)AOTCAT (e)NOTCAT ABCDE 54. Broadband is defined as greater than (a) 256 kbps (b) 256 kBPS (c) 256 kilobaud /s (d)AOTCAT (e)NOTCAT ABCDE 55. NIXI connects (a) villages (b) metros (c) international VSAT gateways (d)AOTCAT (e)NOTCAT ABCDE 56. Access providers can provision VoIP India-wide (a) true (b) true in Metros (c) false (d)AOTCAT (e)NOTCAT ABCDE 57. EVDV is aservice (a) voice (b) video (c) data (d)AOTCAT (e)NOTCAT (e)NOTCAT ABCDE 58. PONs use (a) WDM (b) 622 Mbps to 2.5 Gbps rates (c) power-splitters (d)AOTCAT (e)NOTCAT ABCDE 59. At the Layer 3, DSL uses (a) ATM (b) SONET (c) CAP/QAM (d)AOTCAT (e)NOTCAT (e)NOTCAT ABCDE 60. PINX signaling iscompliant (a) SiGTRAN (b) Q.931 (c) QSIG (d)AOTCAT (e)NOTCAT ABCDE 61. Thereference point isspecific (a) U endor (b) customer (c) ITU (d)AOTCAT (e)NOTCAT ABCDE 62. Thereference point	40. There is no sequencing in (a) AAL5 (b) UDP (c ) Network Time Protocol (d)AOTCAT (e)NOTCAT	
43. Fixed one-byte offset in pointers fit in (a) H1 (b) H2 (c) H3 (d)AOTCAT (e)NOTCAT AB C DE  44. LMDS is a wireless technology (a) fixed (b) point-multipoint (c) point-point (d)AOTCAT (e)NOTCAT AB C DE  45. C- and L-band occur in (a)CWDM (b) DWDM (c) VSAT (d)AOTCAT (e)NOTCAT AB C DE  46. WiMax has a range of kms (a) 10 (b) 50 (c) 100 (d)AOTCAT (e)NOTCAT AB C DE  47. The Physical layer if WiMax is (a)OFDM (b) QPSK (c) 640AM (d)AOTCAT (e)NOTCAT AB C DE  48. WiMax needs (a) LOS (b) licensed frequencies (c) in o video inputs (d)AOTCAT (e)NOTCAT AB C DE  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT AB C DE  50. For a file sharing network a WiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT AB C DE  51. Pre-Unified Licensing 2003, was used to achieve roaming. (a) GPRS (b) EDGE (c) WILL (d)AOTCAT (e)NOTCAT AB C DE  52 has a appeliate role (a) TDSAT (b) TRAI (c) WPC (d)AOTCAT (e)NOTCAT AB C DE  53 exist (a) NTP94 (b) NTP99 (c) Broadband Policy 2004 (d)AOTCAT (e)NOTCAT AB C DE  54. Broadband is defined as greatier than (a) 256 kbps (b) 256 kBPS (c) 256 kilobaud /s (d)AOTCAT (e)NOTCAT AB C DE  55. NIXI connects (a) villages (b) metros (c) international VSAT gateways (d)AOTCAT (e)NOTCAT AB C DE  56. Access providers can provision VoIP India-wide (a) true (b) true in Metros (c) false (d)AOTCAT (e)NOTCAT AB C DE  57. EVDV is a service (a) voice (b) video (c) data (d)AOTCAT (e)NOTCAT (e)NOTCAT AB C DE  58. PONs use (a) WDM (b) 622 Mbps to 2.5 Gbps rates (c) power-splitters (d)AOTCAT (e)NOTCAT AB C DE  59. At the Layer 3, DSL uses (a) ATM (b) SONET (c) CAP/QAM (d)AOTCAT (e)NOTCAT (e)NOTCAT AB C DE  60. PINX signaling is compliant (a) SiGTRAN (b) Q.931 (c) QSiG (d)AOTCAT (e)NOTCAT (e)NOTCAT AB C DE  61. Thereference point isspecific (a) U (b) S (c) T (d)AOTCAT (e)NOTCAT (e)NOTCAT AB C DE  62. Thereference point is vendor specific (a) U (b) S (c) T (d)AOTCAT (e)NOTCAT (e)NOTCAT AB C DE  63. A example of a codec used in VoIP	41. STS1 frames run at Mbps (a) 51.84 (b) 55.84 (c ) 84.58 (d)AOTCAT (e)NOTCAT	ABCDE
44. LMDS is awireless technology (a) fixed (b) point-multipoint (c) point-point (d)AOTCAT (e)NOTCAT A B C D E 45. C- and L-band occur in (a)CWDM (b) DWDM (c) VSAT (d)AOTCAT (e)NOTCAT A B C D E 46. WiMax has a range ofkms (a) 10 (b) 50 (c) 100 (d)AOTCAT (e)NOTCAT A B C D E 47. The Physical layer if WiMax is (a)OFDM (b) OPSK (c) 64QAM (d)AOTCAT (e)NOTCAT A B C D E 48. WiMax needs (a) LOS (b) licensed frequencies (c) no video inputs (d)AOTCAT (e)NOTCAT A B C D E 49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT A B C D E 50. For a file sharing network aWiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT A B C D E 51. Pre-Unified Licensing 2003, _was used to achieve reaming. (a) GPRS (b) EDGE (c) WILL (d)AOTCAT (e)NOTCAT A B C D E 52has a appellate role (a) TDSAT (b) TRAI (c) WPC (d)AOTCAT (e)NOTCAT A B C D E 53exist (a) NTP94 (b) NTP99 (c) Broadband Policy 2004 (d)AOTCAT (e)NOTCAT A B C D E 54. Broadband is defined as greater than (a) 256 kbps (b) 256 kBPS (c) 256 ki3obaud is (d)AOTCAT (e)NOTCAT A B C D E 55. NIXI connects (a) villages (b) metros (c) international VSAT gateways (d)AOTCAT (e)NOTCAT A B C D E 56. Access providers can provision VolP India-wide (a) true (b) true in Metros (c) fatse (d)AOTCAT (e)NOTCAT A B C D E 57. EVDV is a service (a) voice (b) video (c) data (d)AOTCAT (e)NOTCAT (e)NOTCAT A B C D E 59. At the Layer 3, DSL uses (a) ATM (b) SONET (c) CAP/QAM (d)AOTCAT (e)NOTCAT A B C D E 60. PINX signaling iscompliant (a) SIGTRAN (b) Q.831 (c) QGG (d)AOTCAT (e)NOTCAT A B C D E 61. Thereference point isspecific (a) wendor (b) customer (c) ITU (d)AOTCAT (e)NOTCAT A B C D E 62. Thereference point is vendor specific (a) U (b) S (c) T (d)AOTCAT (e)NOTCAT (e)NOTCAT A B C D E 63. A example of a codec used in VolP is(a) G.264 (b) H.323 (c) G.729 (d)AOTCAT (e)NOTCAT A B C D E 64. Speech in DECT uses (a) ADPCM (b) bearer capability (c) two paired timesiots (d)AOTCAT (e)NOTCAT A B C D E 65. Bluetooth's equivalent of ATM'	42. PDH is mappable into (a) SDH (b) STM-16 (c ) 622.08 Mbps (d)AOTCAT (e)NOTCAT	ABCDE.
45. C- and L-band occur in (a)CWDM (b) DWDM (c) VSAT (d)AOTCAT (e)NOTCAT  A B C DE  46. WiMax has a range ofkms (a) 10 (b) 50 (c) 100 (d)AOTCAT (e)NOTCAT  A B C DE  47. The Physical layer if WiMax is (a)OFDM (b) OPSK (c) 64QAM (d)AOTCAT (e)NOTCAT  A B C DE  48. WiMax needs (a) LOS (b) licensed frequencies (c) no video inputs (d)AOTCAT (e)NOTCAT  A B C DE  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT  A B C DE  50. For a file sharing network aWiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT  A B C DE  51. Pre-Unified Licensing 2003, _was used to achieve roaming. (a) GPRS (b) EDGE (c) WILL (d)AOTCAT (e)NOTCAT  A B C DE  52has a appellate role (a) TDSAT (b) TRAI (c) WPC (d)AOTCAT (e)NOTCAT  A B C DE  53exist (a) NTP94 (b) NTP99 (c) Broadband Poficy 2004 (d)AOTCAT (e)NOTCAT  A B C DE  54. Broadband is defined as greater than (a) 256 kbps (b) 256 kBPs (c) 256 kidobaud is (d)AOTCAT (e)NOTCAT  A B C DE  55. NIXI connects (a) villages (b) metros (c) international VSAT gateways (d)AOTCAT (e)NOTCAT  A B C DE  56. Access providers can provision VolP India-wide (a) true (b) true in Metros (c) fatse (d)AOTCAT (e)NOTCAT  A B C DE  57. EVDV is a service (a) voice (b) video (c) data (d)AOTCAT (e)NOTCAT  A B C DE  58. PONs use (a) WDM (b) 622 Mbps is 2.5 Gbps rates (c) power-splitters (d)AOTCAT (e)NOTCAT  A B C DE  59. At the Layer 3, DSL uses (a) ATM (b) SONET (c) CAP/QAM (d)AOTCAT (e)NOTCAT  A B C DE  60. PINX signaling is compliant (a) SIGTRAN (b) Q.931 (c) QSIG (d)AOTCAT (e)NOTCAT  A B C DE  61. Thereference point is vendor specific (a) wendor (b) customer (c) ITU (d)AOTCAT (e)NOTCAT  A B C DE  62. Thereference point is vendor specific (a) U (b) S (c) T (d)AOTCAT (e)NOTCAT  A B C DE  63. A example of a codec used in VolP is (a) G.284 (b) H.323 (c) G.729 (d)AOTCAT (e)NOTCAT  A B C DE  64. Speech in DECT uses (a) ADPCM (b) bearer capability (c) two paired timesiots (d)AOTCAT (e)NOTCAT  A B C DE  65. Bluetooth's equivalent of ATM's S	43. Fixed one-byte offset in pointers fit in (a) H1 (b) H2 (c ) H3 (d)AOTCAT (e)NOTCAT	ABCDE
46. WiMax has a range ofkms (a) 10 (b) 50 (c) 100 (d)AOTCAT (e)NOTCAT AB C DE 47. The Physical layer if WiMax is (a)OFDM (b) QPSK (c) 64QAM (d)AOTCAT (e)NOTCAT AB C DE 48. WiMax needs (a) LOS (b) licensed frequencies (c) no video inputs (d)AOTCAT (e)NOTCAT AB C DE 49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT AB C DE 50. For a file starting network aWiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT AB C DE 51. Pre-Unified Licensing 2003,was used to achieve marring. (a) GPRS (b) EDGE (c) WILL (d)AOTCAT (e)NOTCAT AB C DE 52has a appeliate role (a) TDSAT (b) TRAI (c) WPC (d)AOTCAT (e)NOTCAT AB C DE 53exist (a) NTP'94 (b) NTP'99 (c) Broadband Policy 2004 (d)AOTCAT (e)NOTCAT AB C DE 54. Broadband is defined as greater than (a) 256 kbps (b) 256 KBPS (c) 256 kilobaud /s (d)AOTCAT (e)NOTCAT AB C DE 55. NIXI connects (a) villages (b) metros (c) international VSAT gateways (d)AOTCAT (e)NOTCAT AB C DE 56. Access providers can provision VoIP India-wide (a) true (b) true in Metros (c) false (d)AOTCAT (e)NOTCAT AB C DE 57. EVDV is a service (a) voice (b) video (c) data (d)AOTCAT (e)NOTCAT (e)NOTCAT AB C DE 58. PONs use (a) WDM (b) 622 Mbps to 2.5 Gbps rates (c) power-splitters (d)AOTCAT (e)NOTCAT AB C DE 59. At the Layer 3, DSL uses (a) ATM (b) SONET (c) CAP/QAM (d)AOTCAT (e)NOTCAT AB C DE 60. PINX signaling is compliant (a) SIGTRAN (b) Q.931 (c) QSIG (d)AOTCAT (e)NOTCAT AB C DE 61. Thereference point is specific (a) u endor (b) customer (c) ITU (d)AOTCAT (e)NOTCAT AB C DE 62. Thereference point is vendor specific (a) U (b) S (c) T (d)AOTCAT (e)NOTCAT (e)NOTCAT AB C DE 63. A example of a codec used in VoIP is (a) G.264 (b) H.323 (c) G.729 (d)AOTCAT (e)NOTCAT AB C DE 64. Speech in DECT uses (a) ADPCM (b) bearer capability (c) two paired timeslots (d)AOTCAT (e)NOTCAT AB C DE 65. Bluetooth's equivalent of ATM's SAR layer is (a) HID (b) L2CAP (c) HID + L2CAP (d)AOTCAT (e)NOTCAT AB C DE 66. For InDA at upto 115 kbps, we use InDA	44. LMDS is a wireless technology (a) fixed (b) point-multipoint (c) point-point (d)AOTCAT (e)NOTCAT	ABCDE
47. The Physical layer if WiMax is (a) OFDM (b) QPSK (c) 64QAM (d)AOTCAT (e)NOTCAT  48. WiMax needs (a) LOS (b) licensed frequencies (c) no video inputs (d)AOTCAT (e)NOTCAT  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT  40. CDE  50. For a file starting network aWiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT  40. CDE  51. Pre-Unified Licensing 2003,was used to achieve roaming. (a) GPRS (b) EDGE (c) WIL (d)AOTCAT (e)NOTCAT  40. CDE  51. Pre-Unified Licensing 2003,was used to achieve roaming. (a) GPRS (b) EDGE (c) WIL (d)AOTCAT (e)NOTCAT  40. CDE  51. Pre-Unified Licensing 2003,was used to achieve roaming. (a) GPRS (b) EDGE (c) WIL (d)AOTCAT (e)NOTCAT  40. CDE  51. Revision of the full of	45. C- and L-band occur in (a)CWDM (b) DWDM (c ) VSAT (d)AOTCAT (e)NOTCAT	ABCDE
48. WiMax needs (a) LOS (b) licensed frequencies (c) no video inputs (d)AOTCAT (e)NOTCAT  49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT  50. For a file sharing network aWiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT  51. Pre-Unified Licensing 2003,was used to achieve roaming. (a) GPRS (b) EDGE (c) WIL (d)AOTCAT (e)NOTCAT  52has a appeliate role (a) TDSAT (b) TRAI (c) WPC (d)AOTCAT (e)NOTCAT  53exist (a) NTP'94 (b) NTP'99 (c) Broadband Policy 2004 (d)AOTCAT (e)NOTCAT  54. Broadband is defined as greater than (a) 256 kbps (b) 256 kBPS (c) 256 kilobaud /s (d)AOTCAT (e)NOTCAT  55. NIXI connects (a) villages (b) metros (c) international VSAT geteways (d)AOTCAT (e)NOTCAT  56. Access providers can provision VoIP India-wide (a) true (b) true in Metros (c) false (d)AOTCAT (e)NOTCAT  57. EVDV is a service (a) voice (b) video (c) data (d)AOTCAT (e)NOTCAT  58. PONs use (a) WDM (b) 622 Mbps to 2.5 Gbps rates (c) power-splitters (d)AOTCAT (e)NOTCAT  59. At the Layer 3, DSL uses (a) ATM (b) SONET (c) CAP/OAM (d)AOTCAT (e)NOTCAT  60. PINX signaling is compliant (a) SIGTRAN (b) Q.931 (c) QSIG (d)AOTCAT (e)NOTCAT  61. The S/T-reference point is specific (a) vendor (b) customer (c) ITU (d)AOTCAT (e)NOTCAT  63. A example of a codec used in VoIP is (a) G.284 (b) H.323 (c) G.729 (d)AOTCAT (e)NOTCAT  64. Speech in DECT uses (a) ADPCM (b) bearer capability (c) two paired timeskots (d)AOTCAT (e)NOTCAT  65. Bluetooth's equivalent of ATM's SAR layer is (a) HID (b) L2CAP (c) HID + L2CAP (d)AOTCAT (e)NOTCAT  66. For IrDA at uplo 115 kbps, we use IrDA (a) SIR (b) MIR (c) FIR (d)AOTCAT (e)NOTCAT  67. GSM is used as 5.3 GHz (a) True (b) False (c) not yet (d)AOTCAT (e)NOTCAT  68. EIR user the to block calls (a) IMSI (b) IMEI (c) VLR (d)AOTCAT (e)NOTCAT  69. LAPDm is a layer protocol in GSM (a) 1 (b) 2 (c) 3 (d)AOTCAT (e)NOTCAT  69. LAPDm is a layer protocol in GSM (a) 1 (b) 2 (c) 3 (d)AOTCAT (e)NOTCAT	46. WiMax has a range ofkms (a) 10 (b) 50 (c) 100 (d)AOTCAT (e)NOTCAT	ABCDE
49. WiFi uses FHSS/DHSS (a) true (b) false (c) true in 802.11d (d)AOTCAT (e)NOTCAT  A B C D E 50. For a file sharing network aWiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT  A B C D E 51. Pre-Unified Licensing 2003,was used to achieve roaming. (a) GPRS (b) EDGE (c) WIL (d)AOTCAT (e)NOTCAT  A B C D E 52has a appeliate role (a) TDSÂT (b) TRAI (c) WIPC (d)AOTCAT (e)NOTCAT  A B C D E 53exist (a) NTP94 (b) NTP99 (c) Broadband Policy 2004 (d)AOTCAT (e)NOTCAT  A B C D E 54. Broadband is defined as greater than (a) 256 kbps (b) 256 kBPS (c) 256 kilobaud /s (d)AOTCAT (e)NOTCAT  A B C D E 55. NIXI connects (a) villages (b) metros (c) international VSAT gateways (d)AOTCAT (e)NOTCAT  A B C D E 56. Access providers can provision VoIP India-wide (a) true (b) true in Metros (c) false (d)AOTCAT (e)NOTCAT  A B C D E 57. EVDV is a service (a) voice (b) video (c) data (d)AOTCAT (e)NOTCAT  A B C D E 58. PONs use (a) WDM (b) 622 Mbps to 2.5 Gbps rates (c) power-splitters (d)AOTCAT (e)NOTCAT  A B C D E 59. At the Layer 3, DSL uses (a) ATM (b) SONET (c) CAP/OAM (d)AOTCAT (e)NOTCAT  A B C D E 60. PINX signaling is compliant (a) SIGTRAN (b) Q.931 (c) QSIG (d)AOTCAT (e)NOTCAT  A B C D E 61. The S/T-reference point isspecific (a) vendor (b) customer (c) ITU (d)AOTCAT (e)NOTCAT  A B C D E 62. Thereference point is wendor specific (a) U (b) S (c) T (d)AOTCAT (e)NOTCAT  A B C D E 63. A example of a codec used in VoIP is (a) G.264 (b) H.323 (c) G.729 (d)AOTCAT (e)NOTCAT  A B C D E 64. Speech in DECT uses (a) ADPCM (b) bearer capability (c) two paired timeslots (d)AOTCAT (e)NOTCAT  A B C D E 65. Bluetooth's equivalent of ATM's SAR layer is (a) HID (b) L2CAP (c) HID + L2CAP (d)AOTCAT (e)NOTCAT  A B C D E 66. For IrDA at upto 115 kbps, we use IrDA (a) SIR (b) MIR (c) FIR (d)AOTCAT (e)NOTCAT  A B C D 67. GSM is used as 5.3 GHz (a) True (b) False (c) not yet (d)AOTCAT (e)NOTCAT  A B C D 68. EIR user the to block calls (a) IMSI (b) IMEI (c) VLR (d)AOTCAT (e)NOTCAT  A B C D	47. The Physical layer if WiMax is (a)OFDM (b) QPSK (c ) 64QAM (d)AOTCAT (e)NOTCAT	ABCDE
50. For a file sharing network a WiFi LAN is used (a) adhoc (b) peer-to-peer (c) 802.11s (d)AOTCAT (e)NOTCAT A B C D E 51. Pre-Unified Licensing 2003, was used to achieve roaming. (a) GPRS (b) EDGE (c) WILL (d)AOTCAT (e)NOTCAT A B C D E 52 has a appellate role (a) TDSAT (b) TRAI (c) WPC (d)AOTCAT (e)NOTCAT A B C D E 53 exist (a) NTP'94 (b) NTP'99 (c) Broadband Policy 2004 (d)AOTCAT (e)NOTCAT A B C D E 54. Broadband is defined as greater than (a) 256 kbps (b) 256 KBPS (c) 256 kilobaud /s (d)AOTCAT (e)NOTCAT A B C D E 55. NIXI connects (a) villages (b) metros (c) international VSAT gateways (d)AOTCAT (e)NOTCAT A B C D E 56. Access providers can provision VoIP India-wide (a) true (b) true in Metros (c) false (d)AOTCAT (e)NOTCAT A B C D E 57. EVDV is a service (a) voice (b) video (c) data (d)AOTCAT (e)NOTCAT A B C D E 58. PONs use (a) WDM (b) 622 Mbps to 2.5 Gbps rates (c) power-splitters (d)AOTCAT (e)NOTCAT A B C D E 59. At the Layer 3, DSL uses (a) ATM (b) SONET (c) CAP/QAM (d)AOTCAT (e)NOTCAT A B C D E 60. PINX signaling is compliant (a) SIGTRAN (b) Q.931 (c) QSIG (d)AOTCAT (e)NOTCAT A B C D E 61. The S/T-reference point is specific (a) vendor (b) customer (c) ITU (d)AOTCAT (e)NOTCAT A B C D E 62. Thereference point is vendor specific (a) U (b) S (c) T (d)AOTCAT (e)NOTCAT A B C D E 64. Speech in DECT uses (a) ADPCM (b) bearer capability (c) bwo paired timeslots (d)AOTCAT (e)NOTCAT A B C D E 65. Bluetooth's equivalent of ATM's SAR layer is (a) HID (b) L2CAP (c) HID + L2CAP (d)AOTCAT (e)NOTCAT A B C D E 66. For IrDA at upto 115 kbps, we use IrDA (a) SIR (b) MIR (c) FIR (d)AOTCAT (e)NOTCAT A B C D E 67. GSM is used as 5.3 GHz (a) True (b) False (c) not yet (d)AOTCAT (e)NOTCAT A B C D E 68. EIR user the to block calls (a) IMSI (b) IMEI (c) VLR (d)AOTCAT (e)NOTCAT A B C D E 69. LAPDm is a layer protocol in GSM (a) 1 (b) 2 (c) 3 (d)AOTCAT (e)NOTCAT A B C D E 69. LAPDm is a layer protocol in GSM (a) 1 (b) 2 (c) 3 (d)AOTCAT (e)NOTCAT A B C D E 69. LAPDm is a layer pr	48. WiMax needs (a) LOS (b) licensed frequencies (c) no video inputs (d)AOTCAT (e)NOTCAT	ABCDE
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54. Broadband is defined as greater than (a) 256 kbps (b) 256 kBPS (c) 256 kilobaud /s (d)AOTCAT (e)NOTCAT A B C D E 55. NIXI connects (a) viilages (b) metros (c) international VSAT gateways (d)AOTCAT (e)NOTCAT AB C D E 56. Access providers can provision VoIP India-wide (a) true (b) true in Metros (c) false (d)AOTCAT (e)NOTCAT AB C D E 57. EVDV is a service (a) voice (b) video (c) data (d)AOTCAT (e)NOTCAT AB C D E 58. PONs use (a) WDM (b) 622 Mbps to 2.5 Gbps rates (c) power-splitters (d)AOTCAT (e)NOTCAT AB C D E 59. At the Layer 3, DSL uses (a) ATM (b) SONET (c) CAP/QAM (d)AOTCAT (e)NOTCAT AB C D E 60. PINX signaling is compliant (a) SIGTRAN (b) Q.931 (c) QSIG (d)AOTCAT (e)NOTCAT AB C D E 61. The S/T-reference point is specific (a) vendor (b) customer (c) ITU (d)AOTCAT (e)NOTCAT AB C D E 62. Thereference point is vendor specific (a) U (b) S (c) T (d)AOTCAT (e)NOTCAT AB C D E 63. A example of a codec used in VoIP is (a) G.264 (b) H.323 (c) G.729 (d)AOTCAT (e)NOTCAT AB C D E 64. Speech in DECT uses (a) ADPCM (b) bearer capability (c) two paired timestots (d)AOTCAT (e)NOTCAT AB C D E 65. Bluetooth's equivalent of ATM's SAR layer is (a) HID (b) L2CAP (c) HID + L2CAP (d)AOTCAT (e)NOTCAT AB C D E 66. For IrDA at upto 115 kbps, we use IrDA (a) SIR (b) MIR (c) FIR (d)AOTCAT (e)NOTCAT AB C D 67. GSM is used as 5.3 GHz (a) True (b) False (c) not yet (d)AOTCAT (e)NOTCAT AB C D 68. EIR user the to block calls (a) IMSI (b) IMEI (c) VLR (d)AOTCAT (e)NOTCAT AB C D 69. LAPDm is a layer protocol in GSM (a) 1 (b) 2 (c) 3 (d)AOTCAT (e)NOTCAT	52 has a appellate role (a) TDSAT (b) TRAI (c ) WPC (d)AOTCAT (e)NOTCAT	ABCDE
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70. VSAT uplinks use (a) TDMA (b) DAMA (c) TDM (d)AOTCAT (e)NOTCAT A B C D	69. LAPDm is a layer protocol in GSM (a) 1 (b) 2 (c ) 3 (d)AOTCAT (e)NOTCAT	ABCDE
	70. VSAT uplinks use (a) TDMA (b) DAMA (c) TDM (d)AOTCAT (e)NOTCAT	ABCDE