**Overall Question for CCP-2010**

1. Which of the following is a standard for data transfer on a cable network?
2. STB
3. **DOCSIS**
4. Triple -play
5. Cable labs
6. Phase of a signal is expressed in
7. Meters
8. Volts
9. Hertz
10. **Angle**
11. Which of the following optical network architectures makes use of optical splitters?
12. FTTP
13. PTP
14. **PON**
15. AOEN
16. Application of X.25 is done on which of the following
17. Automatic teller machine
18. **Both Automatic teller machine and Credit card verification**
19. None
20. Credit card verification
21. Name the system which receives process and reformats events information to a suitable format for one or more billing and customer care system.
22. **Mediation device**
23. Router
24. Switch
25. Intermediate device
26. What are the types of service for which E911 is mandated in US?
27. Wireless
28. VOIP
29. Wireline
30. **All the above**
31. Which among the following CODECs are commonly used during VOD?
32. VC
33. None of the list
34. MPEG
35. **MPEG 2&4**
36. The switch that resides in the customer premises is called
37. Centrex
38. Soft switch
39. CO Switch
40. **PBX**
41. Which of the following are true about PBX?
42. Routes calls between people located within an organization
43. Routes calls from individual users within an organization to people outside of the system
44. Requires a manual operators to handle and route the calls
45. Routes calls outside the location to the individual within
46. I , ii , iii & iv
47. **I , ii & iv**
48. ii & iv
49. I & ii
50. Give an example of a mediation product
51. **Comtel MDS/SAS**
52. KSLL Jupiter
53. Subex system Incharge
54. Intec single eview
55. What is being adopted in mainstream and supported by operator’s worldwide?
56. 4G
57. **3G**
58. 1G
59. 2G
60. What is the high level process flow involved in fulfillment?
61. Order placement , Pre order, solution designs, configuration& Activation , order closure
62. Solution designs, Pre order, Order placement, configuration& Activation , order closure
63. None if the listed
64. **Pre order , Order placement, solution designs, configuration& Activation , order closure**
65. What is Wi-Fi?

a) Wireless Local Area network

b) Wire line Wide Area Network

c) **Wireless Wide Area Network**

d) Wire line Local Area Network

1. The fiber optic architecture where one fiber is shared among multiple users is called
2. FTTP
3. FTTH
4. PTP
5. **PON**
6. A session layer protocol is most useful for which of the following function?
   1. To allow information on different streams, perhaps origin from different sources to be properly combined.
   2. **None of the list.**
   3. For controlling the flow of data when congestion has occurred.
   4. To manage the rate of data transmission between nodes.
7. What is the process by which restrictions on business are removed to encourage efficient operations of the marketplace?
8. Either regulation or Deregulation based on circumstances
9. **Deregulation**
10. Regulation
11. None
12. Format Conversion (between computer data representation and standard network format) is performed by which of the following layers?
13. **Presentation**
14. Application
15. Transport
16. Session
17. Cognizant Co-developed the serving mobile Location center for which client?
    1. **Nokia**
    2. EDS
    3. AT&T
    4. Covad
18. Modems and Packet Switches are known as in X.25 terminology.
    1. **DCE**
    2. PSE
    3. DSE
    4. DTE
19. When an organization that traditionally only offered one or two services starts providing different telecommunication services then it is

* 1. Media Convergence
  2. Single-Play
  3. Fixed Mobile Convergence
  4. **Multi Play**

1. What is the entities that provide access to hosting service?
   1. None
   2. Both ISP & IAP
   3. IAP
   4. **ISP**
2. Gatekeepers Performs all of the following EXCEPT
   1. **Translating protocols for call setup & release**
   2. Accounting, Charging & Billing
   3. Addressing, Authentication & Authorization of terminals & gateways
   4. Bandwidth Management
3. The broadcast mechanism in a cellular network to achieve mobility management i.e., setup channels for one to one communication between mobile & base station is called
   1. Handoff
   2. Handover
   3. Broadcasting
   4. **Paging**
4. What is the equipment used to facilitate simultaneously video- conferencing among three or more units?
   1. Gatekeeper
   2. None
   3. **MCU**
   4. Gateways

1. For which customer did cognizant develop the architecture and code review of customer self service portal?
   1. Comcast.
   2. Nokia.
   3. Acca.
   4. **Vodafone**.
2. What is PSTN?
   1. Private switched telephone network.
   2. Public service telephone network.
   3. None of the listed options.
   4. **Public switched telephone network**.
3. Reconfiguring services after initial installation will fall under which of the following?
   1. Service problem management.
   2. None.
   3. **Service quality management**.
   4. Service configuration and activation.
4. If you would require your web browsing to snapy the 80 and 443 ports should be the set with which of the following priority.
   1. Light.
   2. Premium.
   3. **Medium**.
   4. High.
5. The process of allowing telecommunications operators to use the twisted pair telephone connections from the telephones exchange’s central office to the customer premises is known as
   1. Local loop provisioning.
   2. **Local loop unbundling.**
   3. UNE-P.
   4. WLL
6. Call waiting is notified to the user by means of a beep signal whose frequency is.
   1. 67 HZ.
   2. 367HZ.
   3. 70HZ.
   4. **440HZ.**
7. The VOIP service provider which covad acquired is.
   1. **Go beam.**
   2. Quantum tare.
   3. In Phonex.
   4. Premier voice.
8. How are companies able to assure service quality for Line Powered Voice Access (LPVA).
   1. All the Above.
   2. Voice Packet travel over public Network.
   3. **Voice Packet travel over private Network.**
   4. Voice Packet travel over PSTN.
9. From where does the LPVA get the power?
   1. DSL.
   2. CPE.
   3. **CO.**
   4. E911.
10. Web based applications use which of the following to provide voice recognition capability to their HTML/XML based WebPages.
    1. **SALT**.
    2. Both voice XML and SALT.
    3. Voice XML.
    4. IVR.
11. List the ETOM process that is not part of the assurance end to end vertical business within the horizontal process of service management and operations.
    1. Service configuration and activation.
    2. Service problem management.

Service quality management.

* 1. **None of the listed options.**

1. Fulfillment includes which of the following?
   1. Realizing request from the customer and also the prospect to a full fledged service.
   2. Realizing request from the prospect to a full fledged service.
   3. **None of the options.**
   4. Realizing request from the customer to a full fledged service.
2. Which of the following is a contention and collision detection protocol?
   1. Frame relay.
   2. **CSMA/CD.**
   3. HTTP.
   4. ATM.
3. The Indian company that indigemorsly produce digital telephone exchanges is?
   1. Reliance.
   2. **CDOT.**
   3. BSNL.
   4. Hugles telecom.
4. Name the provider who completes with established local telephone business by providing its own network and switching.
   1. IXC.
   2. LEC.
   3. **CLEC.**
   4. ILEC.
5. How can we classify the maintenance activity carried out under the Assurance process ?

a) Reactive

**b) Proactive & Reactive**

c) None

d) Proactive

41. For which forum of DSL, the acute distance limitation (0.75 mile) can be overcome by having fiber to cover the remaining length to the co?

**a) VDSL**

b) ADSL

c) SDSL

d) RDSL

42. What is the technology that is used to allow multiple channels all base station?

a) PDMA

**b) CDMA**

c) FDMA

d) TDMA

43. Identify the process that collects related records in the bill Pool?

a) None

b) Mediating

**c) Aggregating**

d) Invoicing

44. FCC in the US can be classified under

a) **Regulatory bodies**

b) Certification bodies

c) Telecom Associations

d) Standard bodies

45. The cost of passing a US core with fiber is currently estimated by Verizon to be

a) 880$

b) 27$

c) 500$

d) 1200$

46. The variation caused due to the facts that packets to the same destination will reach with different

Delays is known as

1. **Jitter**
2. Noise
3. Dropped packets
4. Delay

47. Which of the following about channel switching is true?

a) All the listed options

b) Supplies an operators environment of reliable, digital, broadband, nearly error-true transmission and intelligent end user equipment exist

c) A resource is selected and allocated up in each request for services

**d) Provider the ability to remotely modify multiplexers & network configuration in response to outages of time of day traffic radiation**

48. The high Speed internet has resulted in \_\_\_\_\_\_\_\_\_ in the count and \_\_\_\_\_\_\_\_\_ in the rate of adoption of technologies

**a) Increase, increase**

b) Decrease, decrease

c) Decrease, Increase

d) Increase, decrease

**50.** The Communication Act 2003 resulted in which of the following:

1. Of Com Creation.
2. Regulation of Communication infrastructure.
3. Legal recognition of Communication radio.
4. Privatizations of telecom sector and increased competition

**Ans : a, b & c**

* + 1. Which of the following statements are true? Choose the best possible answer.

1. LANs are typically owned, controlled & managed by a single organization.
2. WANs are made up of geographically dispersed LANs.
3. Internet is an example of a WAN.

**Ans : a, b, c**

* + 1. Name the Forum that provides guidance on the new generation operatons systems & softwares(NGOSS)

1. 3GPP
2. **TMF**
3. ITU-T
4. OMA
   * 1. What is the main purpose of introduction of DOCSIS?
5. **Provide high speed data over cable.**
6. Provide value added services.
7. More installation easier.
8. Increase penetration.
   * 1. If you are going to a place where there is no human habitation for miles what kind of phone you carry?

**Ans: Satellite phone**

* + 1. Cognizant is Developing ‘Managed Communication Service Platform’ application for which Client?

1. Covad
2. Vodaphone
3. Acca
4. **EDS** 
   * 1. Either the old provider can activate the ports as a part of LNP using which of the following?
5. **Both Service order Activator(SOA) & Local service order Administrator(LSOA)**
6. SOA
7. None
8. LSOA
   * 1. Expand IMS:

**a) IP Multimedia Subsystem**

b) Internet Multimedia Subsystem

c) IP Multimedia Services

d) Internet Media Services

* + 1. Order Management includes functionally such as

1. CPE activation.
2. Service Activation.
3. **Inventory Management**
4. Network Activation.
   * 1. The form of Multiplexing used in cable TV

a. TDM

b. WDM

**c. FDM**

d. DWDM

* + 1. If a Platform can be resolved in CRM then it is necessary to pass the same to service management & operations?

1. May be required or not.
2. **Not required.**
3. Varies based on the Circumstances
4. Required
   * 1. eTOM’s Common process view enable interaction between which of these ?
5. None
6. Operator -to- Supplier
7. Operator -to- Customer
8. Operator -to- Operator

**Ans : a, b, c**

**55.**  The CO equipment to which the CPE-DSL modem connects to is:

a) MUX

**b) DSLAM**

c) DEMUX

d) SWITCH CVB

56. Telephone was invented in the year

a) 1885

b) 1886

**c) 1876**

d) 1896

57. Expand the term ILEC

a) Inter exchange Long distance Carrier

**b) Incumbent Local Exchange Carrier**

c) International Long distance Exchange Carrier

d) Internet Local Exchange Carrier

58. For which client has cognizant implemented the flow through provisioning?

**a. ACCA**

b. COVAD

c. AT&T

d. ORANGE

59. What is the other name for Call screening?

a) Call Blocking

b) Call de-activation

**c) Selective Call Rejection**

d) Active redirection

60. What is the protocol used to signal the trick play functionalities?

a) TSRP

b) STRP

**c) RTSP**

d) PSRT

61. CTS is providing ‘management comm. Services platform’ applicable for which client?

**a.EDS**

b. COVAD

c. ACCA

d. Vodafone

62. Frame relay, x.25, ATM comes under

**i.WAN**

ii.LAN

iii. MAN

iv. PAN

63. What is the switch used to connect between different exchanges over different locations?

i.LEC

ii.ILEC

iii.CLEC

**iv. IXE.**

64. Call centres use which of following technologies to handle their customers.

i. IVR

ii. ACD

**iii.IVR & ACD**

iv. none

65. what are the services needed to access Host services?

i.ISP

ii.IAP

**iii.ISP & IAP.**

iv. none.

66. Which is the most popular modulation techniques of 802.11?

i. 802.11a

**ii.802.b & g**

iii.802.n

iv.802.legacy

67. what is the protocol used for Cedec /MPEG4 to achieve very high data compression.

i.H.232

**ii.H.264**

iii.H.323

iv.H.543

68. Maximum no of days to get the LNP number defined by FCC as

a. no rules defined

**b. 5 days**

c. 14 days

d. depends on service providers

69. Which of the following are true for PBX

a. between people within organization

b. From users with in organization to people outside

c. From callers outside the location to on-site

d. require an operator to route calls

**Ans: a, b, c**

70. For which of the following DSL technology , we can use Fiber from 0.75 feet

**a. VDSL**

b. ADSL

71. Which of the following are required for Video Conference?

**a. Dedicated link**

b. low jitter

c. none of the above

d. Inelastic bandwidth

72. Relay is a combination of **An Electromagnet And An Armature.**

73. What service is the major alternative to ISD calls?

a) STD

b) PCO

**c) VoIP**

d) WiMax

74. Campaigning is a part of which process

a. **Marketing fulfillment response**

b. Customer Interface management

75. What are the protocols that are present in x.25?

i.PAD

**ii.PLP & LAPB**

iii. ISTN

iv.NTO

76. Portal Infranet Billing project was delivered to which of the customers?

a.) Orange

b.) Vodafone

c.) Nokia

**d.) Covad**

77. Which processes in eTom is used for transaction between an service provider organization and its third party vendor – **B2B Transactions**

78. Which company along with Cognizant will deliver the Find My Teen service?

**a.)** FMT

**b.) AT & T**

c.) Covad

d.)None of the options

79. Andrew comes under which category?

i.wireline

ii. Wireless

**iii. Equipment vendor**

iv. Software vendor

80. Request from a customer is tracked through an entity called

**a. order**

b. Lead

c. offer

d. proposal

81. Call waiting is deactivated by dialing which code

a.#67

b.\*67

**c.\*70**

d.#70

82. What is the range of frequencies that your remote control can operate?

**0.3 to 3.0 mhz**

83. What is the need for STB?

**Value added Services**

84. Improve performance of multicast traffic

**a) Provide value added services**

b) Provide high speed data

c) All of the options

85. covad does not provide this service

a) Wire line

b) Value added.

**c) Enterprise**

d) Broadband

86. HTTP is a part of

I. Presentation layer

**ii. Application layer**

iii. Network layer

iv. Data link layer

87. Which of the following is true after antitrust case on AT&T?

a. AT&T restricted to long distance communications.

b.RBOC’s restricted to local commns.

c. AT&T continuing Equipment manufacturing.

d. AT & T took over both long & local communications.

i.a&d ii.a,c,d **iii.a,b,c** iv. b,c,d

88. The reason for India decreasing ISD call rates

i. Dot com burst

**ii. Dot com boom**

iii. Wide services

89. e-Tom framework is based on which technology

a. .NET

b. J2EE

c. Mainframes

**d. None**

90. Bit rate of PCM is

**A. 64kbps**

91**.** ADSL frequency range is

**a. 30 Khz – 1.1 MHZ**

b. 500 khz-1MZ

92. Which of the following are true reg HTTP

a. **delivers data in WWW**

**b. is a client-server protocol**

**c. is stateless request-response protocol**

d.belongs to a presentation layer

**Ans: a, b, c**

93. Which of the following will not be impacted when a network outage occurs?

**a. Provisioning Mgmt**

b. Network inventory Mgmt

c. CRM Mgmt

d. Network Elem Mgmt

94. IVR technologies use **SALT and VoiceXML**

95. Which of the following was the first network to provide voice communication with QoS guarantees?

**Answer: Public Switched Telephone Network (PSTN)**

96. The Telecom Regulatory body in the U.S is called?

* 1. TRAI
  2. **FCC**
  3. ITU
  4. Ofcom

97. What is the signaling protocol used in PSTN?

1. H.323
2. **SS7**
3. SIP

d) TCP

98. Who monopolized the telephone industry in the U.S ?

1. **AT&T**
2. M & A
3. GPO
4. None of the option

99. What is WiMax?

1. Technology enabling the delivery of first mile wireline broadband access
2. **Technology enabling the delivery of last mile wireless broadband access**
3. Technology enabling the delivery of last mile wireline broadband access
4. Technology enabling the delivery of complete wireless broadband access

100. What is the need for STB?

1. Improve performance of multicast traffic
2. **Provide value added services**
3. Provide high speed data
4. All of the options

101. Who is a customer of Cognizant**?**

* 1. EDS
  2. AT&T
  3. ACCA
  4. **All of the options**

102**.** Which company along with Cognizant will deliver the Find My Teen service?

1. FMT
2. **AT & T**
3. Covad
4. None of the options

103**.** Web based applications use the following to provide voice recognition capability to their HTML / XML based web pages

* 1. **IVR & SALT**
  2. Voice XML & SALT
  3. None of the options
  4. Voice XML & IVR

104**.** Triple play is bundling of:

1. **TV, Voice and Internet**
2. Mobile, Voice and Internet
3. TV, Mobile and Voice
4. TV, Mobile and Internet

105. Name the record generated by the network element containing only voice or data information

* 1. Usage Detail record
  2. Data Detail record
  3. Voice Detail record
  4. **Call detail record**

106. Usage information is collected from

1. CPE
2. **Network equipment**
3. BSS
4. None of the options

107. Which one of the following is NOT a RBOC?

* 1. Ameritech.
  2. **Bell Core.**
  3. Bell South.
  4. Bell Atlantic.

108. Gatekeepers perform all of the following except

* + 1. Bandwidth management.
    2. Accounting, charging and billing.
    3. **Translating protocols for call set up and release.**
    4. Addressing, authentication and authorization of terminals and gateways

109. The process of allowing telecommunications operators to use the twisted pair telephone connections from the telephone exchange’s central office to the customer premises is known as ------

a) WLL.

b) Local Loop Provisioning.

c) UNE\_P.

d) **Local Loop Unbundling**

110**.** Why will the operators continue to deploy WIFI-hotspots?

a)To complement their customers.

B) To increase their industry presence.

**c) To complement their 3G offerings**

d) To increase their revenue

111. FCC regulations include which of the following?

a) International communications that only originate in the US.

b) International communications that originate or terminate in India.

**c) International communications that originate or terminate in US.**

d) International communications that only terminate in us.

112. When an organization that tradionally only on offered one or two services starts providing different telecommunications services then it is called--------------

A )Media convergence.

B) Single play

**c) Multiplay.**

d) Fixed mobile convergence

113. Which of the following are true about PBX?

* 1. Routes calls between people located within an organization.
  2. Routes calls from individual users within an organization to people outside of the system.
  3. Requires a manual operator to handle and route the calls.
  4. Routes calls from callers outside the location to the individuals within.
     1. A and b.
     2. **A, b and d.**
     3. A, b, c and d.
     4. B and d.

114. IPTV requires which of the following to view a picture?

a) HHT.

b) All of the listed options.

**c) Digital set top box connected to a TV.**

d) IP enabled device such as PDA

115. Which among the following is the device that performs three functions, namely buffers data, packet assembly and packet disassembly X.25 circuits?

1. DCE.
2. **PAD.**
3. DTE.
4. PSE

116. The LEC services offering that deliver advance PBX type features without the need to purchase or Lease switching equipment.

a) CO switch.

b) Soft switch.

**c) Centrex**.

d) PBX

117. Which among the following is True when there is a power cut happening home?

1. **A voip services disrupted.**
2. None of the listed options.
3. Voip service is not disrupted.
4. WIMAX service is disrupted.

118. Name the forum that provides guidance on the new generation operations systems and software (NGOSS).

1. ITU-T.
2. 3GPP.
3. **TMF**.
4. OMA.

119. Line powered voice Access (LPVA) requires a broadband connection for implementation. State whether the above statement is True or otherwise.

1. **False.**
2. True.
3. Partially false.
4. Partially true.

120. Which of the following statements are true?

1. In a twisted pair, the two wires carry equal and opposite signals.
2. Multimedia fibers are used for long distance corner.
3. FDMA supports more number of users than TDM.
4. TDM permits user access to the full pass band channel. But for limited time.
   * 1. A, b & c.
     2. A, c & d.
     3. A, b & d.
     4. B, c & d.

121. Covad does not offer which of the following services.

1. Value added services.
2. DSL services.
3. Long distance telephony.
4. Enterprise services.

123. Select the billing system that does NOT fall under interconnect billing system.

1. Direct billing.
2. ITU billing.
3. Retail billing.
4. Cascade billing.

124. Identify the process which if NOT handled effectively, is more likely to result in customer churn?

1. Problem handling.
2. Services problem management.
3. **Customer QOS / SLA management.**
4. Resource problem management.

125. Which one of the following is NOT an analog modulation technique?

1. **FSK.**
2. PM.
3. AM.
4. FM.

126. Expand the term ILEC?

a)Interexchange long distance center.

b) Incumbent local exchange center.

c) **Incumbent local exchange carrier.**

d)International long distance exchange carrier.

127. Order status is available to \_\_\_\_\_\_\_\_\_\_\_\_\_.

1. External systems & Customer
2. Customer & Internal systems
3. None of the options
4. External systems & prospect

128. What service is the major alternative to ISD calls?

a) STD

b) PCO

**C) VoIP**

d) WiMax

129. What is the need for STB?

a) Improve performance of multicast traffic

**b) Provide value added services**

c) Provide high speed data

d) All of the options

130. Which year was the caller id introduced?

* 1. **1984**
  2. 1988
  3. 1982
  4. 1986

131. what is the protocol used in PSTN networks?

**i.SS7**

ii. ERTI

iii.SBTE

iv. OPT

132. Tracking & managing of customer account record exchange is done by

i.OMA

ii.TMF

**iii.OBF**

iv.ETSI

133. In which year FCC enacted its policies?

**i.1985**

ii.1934

iii.1936

iv. 1996.

134 .what is the switch used to connect between different exchanges over different locations?

i. LEC ii. ILEC iii. CLEC **iv.IXE**

135. which among the following assures effctive interconnection b/w the diff telcom service prior in India?

**i.TRAI**

ii.FCC

iii.Ofcom

136. e-TOM is a form of

**a. individual and distinctive processes which have an interlink**

b. only distinctive processes

c. only individual process without any link

d. none

137. Portal Infranet Billing project was delivered to which of the customers?

1. Orange
2. Vodafone
3. Nokia
4. **Covad**

138. Cable TV transmission uses which modulation technique

**a. FDM** b. TDM

139. Which has to be implemented by LAN?

**a. Ethernet & Token Ring** b. RS 232

140. MoneyMap from cVidya comes under

**a. Revenue Assurance** b. Network Assurance

141. Zero touch provisioning is implemented for

**a. ACCA Networks**

142. Type of virtual ckt for sporadic data

a) Permanent virtual ckt

b) Temporary VC

c) Sporadic VC

**d) Switched VC**

143. CODEC’s used during VOD

a) VC

b) MPEG

**c) MPEG 2 & 4**

d) None

144. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is required to prevent Vendor Lock and to foster competition between different Service Providers.

**A) Number Portability**

b) Call Waiting

c)Blocking

d)Voice Mail

145. ARP used for

a) congestion control

b)QoS Assurance

c) **Logical address to mac address mapping**

d)Error handling

146. Remote surgery requires

a) Soft QoS

b) End to end QoS

**c) Hard QoS**

d) none

147. NPAC data containing correct routing information in

a) AIMNET

**b) Neustar**

c) Farthorn

d) FCC

148. For ground based antenna which kind of satellite are used

a) Low earth satellite

**b) Geostationary**

c) Molniya

d) High earth satellite

149. Order status available to

a) External system

b) Customer

c**) Above both**

d) Both external and internal system

150. Architecture and code review of customer self service portal is done to which customer

a) Nokia

b) ACCA

c) Comcast

**d) Vodafone**

151. eTom process that is involved in testing the end to end service during fulfillment process

a**) Service qty mgt**

b) Resource provisioning

c**)** Service confine and activation

d) Problem handling

152. VAS such as VOD and Pay-per view provides with help of

a) Triple play

b) DOCSIS

**c) STB**

d) cable cabs

153. VoIP service provider which COVAD acquired

**a) GoBeam**

b) Premier Voice

c) Quantum tune

d) Inphonix

154. CODEC’s used during VOD

a) VC

b) MPEG

**c) MPEG2 &4**

d) None

155. LPVA subject to same distance limitation of DSL

a) True

**b) False**

156. Protocols of X.25

a) TCP/IP

b) X.21b

c) G-708

**d) PLP, LAPB**

157. Convergence means

a) Voice and data

b) VOD & TV

c) Internet, ATM & frame relay

**d) All the above**

158. RBOC’s relate to

a) LEC

**b) ILEC**

c) CLEC

d) IXC

**159. Qos** is to measure?

**a) Delaying, Dropping.**

B) Delay.

C) Dropping.

D) None of the above

160. In which orbit you can’t station Comsat – **High Earth Orbit**

(You can station Comm.Sat on Molniya, Low Earth and Geo stationary)

161. Which of the following layer protocol need not be implemented in Router

a) Physical layer

b) Datalink layer

c) Network layer

**d) Transport.**

162. Which system can used better for Video streaming – **Packet Switch network**

163. E911 is difficult to implement in –**VOIP based network**

164. What is the effect of FCC making the report of the % of services provided to other carriers as mandatory?

1.**CLEC forced to increased amt of surface provided for components**

2.ILEC “ “ “ “

3.no effect

4.FCE was forced to make reporting mandatory

165. E.163 & E,164 r also known as

a)IP address

b) MACs

c)**Tel nos**

**d)** CKT Ids

166. Eg... of CRM includes functionality such as

a. Call center b.**callcenter+sales force automation**

c.SFA d.INV.entry management

167. The LEC service type that offers PBX type without the need of leasing the switching equip is

a.PBX b. **Centrex** c.CO switch d. soft switch

168. What are the types of services for which E911 is mandated in US?

a. wireless b. line c. VOIP d. **All**

169. The fiber optic architecture whr one fiber is shared among multiple cases is called

a.PTP b**.PON**  c.FTTH d.FTTP

170. which process desc retrieved of subsc accounting in for billing purpose?

a. rating b. compiling c. **charging**  d. none

171. HSDPA?

a. wireline telephony protocol b. open std. for digital tv

c. digital radio broadcast std. d. **mobile telephony protocol**

172. As a mark strategist, is develop new products n manage existing products using

a. strat & commit b. resourse dev & mngmt

c. mrkting & offer d.PLM

173. Select the billing system that does fall under interconnect billing sys

a. cascade billing b.ITU “

c.**retail** “ d.direct “

174. Which of foll need be impl in a route?

a.phy b.**trans**  c.dataline d.n/w

175. Local monopoly is thwarted using?

a.WPAN b.**none**  c.LPVA d,WLC

176. which of foll compliance is available in LPVA server?

a. roaming b.911 c**.E-911** d.MPLS

177. IPTV req wat to view picture?

a.all b.IP enabled such as PDA

c.HHT d.**digital settopbox connec to TV**

178. CTS is providing ‘management comm. Services platform’ applicable for which client?

**a.EDS** b. COVAD c. ACCA d. Vodafone

179. Protocol used to connect EDS computing resources to its client?

a. none b. **MPLS**  c. from rel d.ATM

180. Main purpose of intro of DOCSIS?

**a. provide high speed data over cable** b.provide value added service

c.incr penetration d.make installation easier

181. Project % mobile in the total no. of new voice connections in 2009(in billion)?

**a.99** b.80 c.90 d.50

182. Which among the foll proc. r informed when the ‘service problem mangmt’ process realizes outage of a service instance?

a**. both problem handling customer QOS/SLA mgmt** b. problem handling

c. resource perfect mgmt d. customer QOS?SLA mgmt

183. Which of the following are true for PBX?

**a. they are used for routing calls within an organization.**

**b. they are used for routing calls from outside the organization to the organization**

**c. they are used for routing calls from inside to outside**

**Ans: a, b, c**

184. A signal has frequency of 24KHz. It is sampled at a rate of 4 times the highest frequency. For the signal to be transmitted within a 320KHz channel wat is the no. of bits to be used for quantization?

1. **4** 6 8 5

185. Which operator in India provides digital exchanges?

a. **BSNL**  b. Hughes Network c. None of the above

186. Which is used for preventing fraud?

a. Product Assurance b. **Revenue Assurance** c. Network Assurance

187. Cognizant tco, navallur, siruseri are connected by? **LAN**

188. Features of Telecommunications Act -**1996**

189. e-Tom framework is based on which technology

a) .NET b) J2EE c) Mainframes d)**None**

190. Pico net in parking mode supports max of devices

a. 128 b. **255** c. 256 d. 64

191. Which of the following are results of 1980 Anticase

a. **RBOC’s Local phone**

b. RBOC’s should manufacture telephone equipment

c. **AT &T should take care of long distance calls**

**d. AT & T should manufacture telephone equipment**

**Ans: a, c, d**

192. X.25 uses?

a. simplex b. **full duplex** c. half duplex d. none

193. How many DS0 channels are multiplexed to get DS1 channel

a. **24** b. 12 c. 48 d. 36

194. network of geographically dispersed LAN’s is

a. **WAN** b. Internet

195. Offices in CTS TCO, CSI , Navlur are connected by

a. LAN b. **MAN** c. WAN d. none

LAN’s are typically owned by single organization - **TRUE**

196. Which of the following are true?

a. IP **TV is the transmission of digital TV over Internet Protocol**

b. IP TV uses Internet

c. **uses RTSP for VOD**

**d. has two way communication for Interactive Television**

197. Which of the following are not the functionality of gatekeeper

a. **translation of protocols**

b. call routing

c. bandwidth management

d. billing

198. e-TOM is a form of

a. **individual and distinctive processes which have an interlink**

b. only distinctive processes

c. only individual process without any link

d. none

199. Billing is invoked after what process in CRM

a. Resource Activation

b. **Service configuration and Activation**

200. Horizontal groupings denote

a. **functional processes** b. enterprise processes

201. Resolving customers problems comes under

a. **Problem handling of CRM**

202. CDR **doesn’t** include

a. call time

b. duration of time

c. **volume of sticks**

d. terminating number

203. Which of the following decouples network to billing systems

a. **Mediation gateway**

204. Bill format with banner ads included is called

a. **rendering**

b. compiling

205. Collecting of information on products to take decisions in future is

a. **information management**

b. product management

206. Process manage all settlement and billing for the enterprise , including bill validation, verification, authorizing of payment is

a. **S/P settlements and billing management**

207. Which of the following will not be impacted when a network outage occurs

a. **provisioning** b. Network inventory Mgmt c. CRM d . Network Elem Mgmt

208. Zero touch provisioning is implemented for

a. **ACCA Networks**

209 .SMLC is implemented in Nokia account

210 .In fulfillment, Lead to Cash is termed as \_\_\_\_\_\_\_\_\_\_\_\_(order to bill)

211. The order status is made available to \_\_\_\_\_\_\_\_\_\_\_\_\_\_(external systems or customer)

212. In which year FCC enacted its policies?

i.**1985** ii.1934 iii.1936 iv.1996

213. cognizant uses which network to connect between different offices located across

a geographical area ?

i. LAN **ii.WAN** iii.PSTN iv.none.

214. What are the protocols that are present in x.25?

i.PAD

**ii.PLP & LAPB**

iii. ISTN

iv.NTO

215. A database called NPAC for local number portability is provide by

i.Neustar

216. OLT in passive optical network will do the following

I. receives signals & convers to usable electronic signals.

ii.houses laser transmitters dedicated to each laser.

iii.aggregation point of voice from PSTN,data & video.

217. Functionality of session layer (different options were given).

1.SDLC cycle of EDS ,UAT stage comes after

a.Design

**b.Delivery**

c.testing

d.Development

218. Database that can help the service assurance process to identify the service/customers affected due to a network resource failure.

a. n/w resource performance metric DB.

b. product/service catalogue DB.

c. n/w /RI DB

d. customer SLA db.