TYPICAL QUESTIONS & ANSWERS

Part1

OBJECTIVE TYPE QUESTIONS

Q.1.		The number of point-to-point links required in a fully connected network for 50		
	entities (A)		(B) 1225	
	(A) (C)		(D) 50	
	Ans: ((C)		
Q.2.	there v	will benumber of shing connections when all $I/2$, N^2	nfiguration, taking N as the number of subscribers, cross points andnumber of switches for the subscribers are engaged. (B) N², N/2 (D) N/2, N³	
	Ans: ((B)		
Q.3.	(A) (B) (C)	It disables one of the two detected on the other pair.		
	Ans: ((A)		
Q.4.	telepho (A) +		provide a voltage ofto power (B) -24 volts DC (D) -48 volts DC.	
	Ans: (D)		
Q.5.	as		er and receiver have to work in tandem is referred to	
		arallel ⁄nchronous	(B) serial(D) asynchronous	
	Ans: (C)		
Q.6.	Comm (A) (B) (C)	Needs no additional tran	or data path for signaling.	

	Ans: (C)		
Q.7.	A large numbers of computers in connected using (A) twisted pair lines (B) coaxial cables (C) Communication satellites (D) all of the above	a wide geographical area car	n be efficiently
	Ans: (D)		
Q.8.	Which transmission mode is used (A) Parallel (C) Synchronous	for data communication along (B) Serial (D) Asynchronous	g telephone lines?
	Ans: (B)		
Q.9.	A sample rate of is requestion. (A) 4500 times per second. (B) 700 integer sample poin (C) 50 times per second per second. (D) 8000 times per second.		sentation of telephone
	Ans: (C)		
Q.10.	Theis a circuit-switch network. (A) Telephone, ATM (C) Satellite, Telephone	(B) SONET and FDDI	is a packet-switched
	Ans: (A)		
Q.11.	A Master group consists of(A) 12 voice channels.(C) 60 voice channels.	(B) 24 voice channels(D) 300 voice channels	
	Ans: (D)		
Q.12.	Direct inward dialling is used as (A) PSTN.(C) EPABX.	a feature in (B) PBX. (D) VPN.	
	Ans: (C)		
Q.13.	Trunks are the lines that run betwee (A) Subscribers and exchange (B) switching system and powe (C) Local area network. (D) Switching stations.		

	Ans: (D)	
Q.14.	Traffic Capacity is given by (A) Switching capacity × Theoret (B) Switching capacity / Theoretic (C) Theoretical maximum load / s (D) Theoretical maximum load ×	al maximum load witching capacity
	Ans: (A)	
Q.15.	In a time multiplexed space switchi (A) 125 micro sec (C) 125 msec	ing system, one speech sample appears every (B) 20 msec (D) 1 sec
	Ans: (A)	
Q.16.	ISDN handles data pertaining to (A) All digital services (C) Computer data only	(B) Speech and Video(D) Speech only
	Ans: (A)	
Q.17.	 A star connected intermediate exch (A) Repeater exchange (B) Hub exchange (C) Private branch exchange (D) Tandem exchange 	nange is known as a
	Ans: (B)	
Q.18.	Time synchronization is necessary (A) FDM. (C) WDM.	in (B) TDM. (D) Quadrature multiplexing
	Ans: (B)	
Q.19.	 In a frame transmission, CRC stand (A) Code Renewable Check (B) Cyclic Redundancy Check (C) Control and Refresh Code (D) Cyclic Refreshing of CPU 	ds for
	Ans: (B)	
Q.20.	In a LAN network every system is (A) Name (C) IP Address	identified by (B) MAC address (D) Serial number given by manufacturer
	Ans: (C)	
Q.21.	An off-hook signal will repeat for a	/anduration.

	(A) finite			
	(B) infinite			
	(C) duration of 40 seconds			
	(D) duration of 80 seconds			
	Ans: (A)			
Q 22.	Typical human voice is cent	tered aroundHz.		
	(A) 200-400	(B) 280-3000		
	(C) 400-600	(D) 1400-1800		
	Ans: (B)			
Q 23.		ected device is assigned a time slot whether or not the		
	device has any thing to send			
	(A) WDM	(B) FDM		
	(C) TDM	(D) STDM		
	Ans: (C)			
Q.24.	When a switch capacity is for	ull, calls coming into that switch are said to be		
	(A) open	(B) shorted		
	(C) blocked	(D) shunted		
	Ans: (C)			
Q.25.	-	UsingARQ, a sending modem must wait for a return ACK for each sent block before sending the next block.		
	(A) discrete	(B) efficient		
	(C) continuous	(D) delivered		
	Ans: (A)			
Q.26.	A/Annetwork is ty	pically a company network that connects multiple		
	company locations into a si			
	(A) local area	(B) enterprise		
	(C) campus wide	(D) protocol.		
	Ans: (B)			
Q.27.	Ethernet 10 Base 2 is an exa	imple ofnetwork topology.		
	(A) Bus	(B) Ring		
	(C) Star	(D) Mesh		
	Ans: (A)			
Q.28.	Theelectro mechanithan earlier switches.	ical switch (developed in 1938) had fewer moving parts		
	(A) No. 1ESS	(B) Strowger		
	(C) Step-by-step	(D) Crossbar		
		• •		

	Ans: (D)	
Q.29.	Side tone is the speech heard by (A) the receiving subscriber (B) both the receiving and calling s (C) by on looker (D) by calling subscriber	subscriber
	Ans: (D)	
Q.30.	Busy hour traffic is the (A) maximum average simultaneou (B) traffic during peak hour. (C) traffic when all subscribers ar (D) the duration of maximum calls	e engaged.
	Ans: (B)	
Q.31.	The final selector is connected to the (A) calling subscriber. (C) called subscriber.	(B) switching network. (D) line finder.
	Ans: (C)	
Q.32.	In a DTMF phone a dialling of 8 ge (A) 1336 Hz-770 Hz (C) 1209 Hz-941 Hz	enerates (B) 1209 Hz - 1477 Hz (D) 1336 Hz-852 Hz
	Ans: (D)	
Q.33.	 SPC stands (A) Standard Protocol Control (B) Stored Program Control (C) Signaling and switching Cent (D) Signaling Process Center 	re
	Ans: (B)	
Q.34.	For two stage network the switchin with s blocks is given by (A) Ms + Nr (C) (M + N) (r+s)	g elements for M inlets with r blocks and N outlets (B) Mr + Ns (D) (M + N)rs
	Ans: (A)	
Q.35.	As per Nyquist criterion the sampli	ng rate is

Where fs is the signal frequency

(A) 2fs

(C)(1/2fs)

Ans: (A)

(B) (1/2)fs

(D) (2/fs)

Q.36.	Common channel signalling in SS (A) out band control channel. (B) in band control channel. (C) speech control channel. (D) none of the above.	S7 is
	Ans: (B)	
Q.37.	Broad Band ISDN handles data ra (A) 64 kbps (C) 5.4 mbps	(B) 100 mbps (D) 2.048 mbps
	Ans: (A)	
Q.38.	 MAC address helps in (A) multimedia access control. (B) media access control. (C) mobile access control. (D) master access point control 	
	Ans: (B)	
Q.39.	Telex is a (A) Telephone Service between (B) Tele printer Service between (C) Television Service between (D) Telegraph Service between	n various subscribers various subscribers
	Ans: (B)	
Q.40.	The bandwidth requirement of a to (A) 3 KHz (C) 5 KHz	relephone channel is (B) 15 KHz (D) 25 KHz
	Ans: (A)	
Q.41.	* /	ne by an adjacent one iscalled Inductive Disturbance None of these
	Ans: (C)	
Q.42.	Erlang is used to (A) Measure busy period (C) Measure averagecall rate	(B) Give total busy period in minutes(D) Indicate total call period
	Ans: (A)	
Q.43.	The grade of service is measured (A) Percentage (C) Fractional Number	in (B) Number (D) Logarithmic Number

	Ans: (C)	
Q.44.	Network with point-to-point link is (A) Fully Connected Network (C) Duplex Connected Network	s known as (B) Half Connected Network (D) None of these
	Ans: (A)	
Q.45.	SPC is used for (A) Carrying Exchange Control F (B) Carrying Subscriber Control I (C) Exchange Hardware (D) Signalling Purpose	
	Ans: (A)	
Q.46.	Trunks are the lines that run betwee (A) subscribers and exchange (C) Local Area Network	en (B) switching system and power plant (D) switching systems
	Ans: (B)	
Q.47.	Example of circuit switching and S (A) Telephone and Post of Telegr (B) Video Signal Post or Telegra (C) Digital Signal Post or Telegra (D) None of above	pĥ
	Ans: (A)	
Q.48.	Network Layer is used for (A) Breaking up the data in fran (B) Deal with Error correction (C) Automatic Recovery of Proc (D) Physical Architecture	
	Ans: (D)	
Q.49.	 Call request signal is: (A) Seize signal (B) Idle state signal (C) Line identification signal (D) Called subscriber alert signal 	
	Ans: (A)	
Q.50.	Telephone Traffic is measured in (A) Seconds. (C) Erlang	(B) Hours.(D) Pulses per minute.
	Ans: (C)	

Q.51.	(A) Calling subscriber. (B)	e connected to the) Switching network.) Between exchanges.
	Ans: (A)	
Q.52.	 In a DTMF phone, digits are represente (A) Orthogonal frequencies. (B) Orthogonal Phases. (C) Orthogonal codes. (D) Orthogonal pulses. 	d by:
	Ans: (A)	
Q.53.	(A) Interference (B) Signa	with respect to signal: l overloading tization noise
	Ans: (D)	
Q.54.	SS7 Protocol uses:(A) Out of band signalling.(B) Associated signalling.(C) Speech control signalling.(D) No signalling.	
	Ans: (A)	
Q.55.	MAC is the abbreviation for: (A) Multimedia access control (B) Media access control (C) Mobile access control (D) Master access point control	
	Ans: (B)	
Q.56.	(A) 20000 Hz (B)	ech is:) 15000 Hz) 3400 Hz
	Ans: (D)	
Q.57.	propagation time (t_p) . It is defined by	
	(A) $t p/tf$ (B)) t f t/p
	(C) $1 + (t_f/t_p)$ (D)	t_f $(t_p + t_f)$
	Ans: (D)	

Q.58. The function of ARQ in a network protocol is to:

	(A) Auto request(C) Address request	(B) Acknowledge(D) Abort
	Ans: (A)	
Q.59.	Engaged tone is generated in the: (A) Telephone instrument of calli (B) Telephone instrument of calle (C) Exchange (D) Repeater	-
	Ans: (C)	
Q.60.	One Erlang is equal to (A) 3600 CCS (B) 36 CCS (C) 60 CCS (D) 24 CCS	
	Ans: (A)	
Q.61.	The analog signal needs to be samp (A) 2fs (C) fs/2	led at a minimum sampling rate of: (B) 1/(2fs) (D) 2/fs
	Ans: (A)	
Q.62.	In a time, division space switches the (A) Log10M (B)	ne size of the control memory is N and its Width: LogeM
	(C) LogNM (D) Where N are the outlets and M the	Log2M number of data samples
	Ans: (It should be 2 log ₂ [N]	
Q.63.	 In a single stage network: (A) There is no redundancy (B) There is redundancy (C) Alternative cross points are a (D) Alternative paths are available 	
	Ans: (B)	
Q.64.	Signalling transfer point (STP) exis (A) Strowger exchange (C) Local area network	t in (B) SS7 (D) PABX
	Ans: (B)	

Q.65. ARQ is transmitted in the event of:

	(A) Loss of signal(C) Improve reliability	(B) Error in received data(D) During time out
	Ans: (B)	
Q.66.	Computer to computer communication (A) Simplex (C) Half Duplex	tion is: (B) Duplex (D) Both Duplex and Half Duplex
	Ans: (B)	
Q.67.	A distributed network configuration central computer is (A) Bus network (C) Ring network	(B) Star network(D) Point to point network
	Ans: (B)	
Q.68.	An important terminal that is require (A) Server (C) Relay	red between DTE and PSTN is (B) MODEM (D) Network card
	Ans: (B)	
Q.69.	Traffic Handling Capacity is given (A) Switching capacity × Theoret (B) Switching capacity / Theoretic (C) Theoretical maximum load / S (D) Theoretical maximum load +	cical maximum load cal maximum load witching capacity
	Ans: (B)	
Q.70.	Traffic Intensity can be measured in (A) Erlangs (C) CM	(B) CCS (D) All of the above
	Ans: (D)	
Q.71.	Trunks are the lines that run between (A) Subscribers and exchange (B) Switching system and power process (C) Local area network (D) Switching stations	
	Ans: (D)	
Q.72.	Packet switching is used for (A) Credit card verification (B) Automated Teller Machine	

(C) The internet and the World Wide Web

(D) All of the above

	Ans: (D)	
Q.73.	Analog signals can beb (A) Carried (C) Multiplexed	y combining them with a carrier frequency (B) Transported (D) Mixed
	Ans: (C)	
Q.74.	The Signalling connection control together are referred to as (A) Signal Switching Points (SSPs) (B) Signal Transfer Points (STPs) (C) Signal Control Points (SCPs) (D) Network service part (NSP)	
	Ans: (D)	
Q.75.	State True or False A two stage non-blocking network the single stage non-blocking network (A) TRUE	requires twice the number of switching elements as work. (B) FALSE
	Ans: (A)	
Q.76.	The larger the Grade Of Service, the (A) TRUE	ne worse is the service given (B) FALSE
	Ans: (A)	
Q.77.	A certain amount of side tone isess (A) TRUE	sential in telephone communication (B) FALSE
	Ans: (A)	
Q.78.	Sky wave Communication is prone (A) TRUE	to fading (B) FALSE

OBJECTIVE TYPE QUESTIONS Part 2

1) If 'n' number of users are present in a network with point-to-point links, then how many links will be

required in the network?

 \dot{b} . n(n-1)/2

a. n (n – 1)

c. $n(n-1)/4$
d. $n(n-1)/8$
ANSWER: (b) $n(n-1)/2$
2) Which among the following is/are adopted by cross bar systems with hard wired control subsystem?
a. Relays
b. Latches
c. Both a and b
d. None of the above
ANSWER: (c) Both a and b
3) Which kind of switching technique indicates the transfer of coded values from input to output during
the same interval of time?
a. Space Switching
b. Time Switching
c. Combination Switching
d. None of the above
ANSWER: (a) Space Switching
4) What is the hardware, used to establish connection as an electrical path between inlet and outlet pair in
switching system, known as?
a. Switching Matrix
b. Switching Network
c. Both a and b
d. None of the above
ANSWER: (c) Both a and b
5) In folded type of network,
a. input lines are folded back to output lines
b. output lines are folded back to input lines
c. input lines are folded back to themselves (input lines)
d. output lines are folded back to themselves (output lines)
ANSWER: (b) output lines are folded back to input lines
6) The ratio of number of successful calls to the number of call attempts is known as
a. Call Completion Rate (CCR)
b. Call Block Rate (CBR)
c. Busy Hour Call Rate (BHCR)
d. None of the above
ANSWER: (a) Call Completion Rate (CCR)
7) If a telephone exchange serves 1500 users with the average BHCA of about 9000 and CCR is about
50%, what would be the busy hour calling rate?
a. 2
b. 3
c. 4.5
d. 5
ANSWER: (b) 3
8) How is the relation between Erlang and CCS specified?
a. 1 Erlang = 36 CCS
b. 1 Erlang = 56 CCS
c. 1 Erlang = 76 CCS
d. 1 Erlang = 96 CCS

ANOWER () 1 F.1 26 CCC
ANSWER: (a) 1 Erlang = 36 CCS
9) Percentage of occupancy can be defined as the percentage of for which the server seems to be
busy.
a. speed
b. distance
c. time
d. volume
ANSWER: (c) time
10) By which name/s is the Grade of Service (GOS) well-known?
a. Call congestion
b. Time congestion
c. Both a and b
d. None of the above
ANSWER: (a) Call congestion
11) Which among the following provides TRG access to outgoing junctions through the two-stage
network?
a. Expander
b. Distributor
c. Concentrator
d. Router
ANSWER: (d) Router
12) Which shape of switches are not adopted normally due to non-usability of both way trunks?
a. Circular
b. Triangular
c. Hexagonal
d. Square
ANSWER: (b) Triangular
13) In graded groups, switches with inaccessibility to the outgoing route gets into the number of
separate groups.
a. added
b. subtracted
c. multiplied
d. divided
ANSWER: (c) multiplied
14) Which form/s of grading design has/have the tendency to share every trunk between equal number of
groups?
a. Homogeneous Grading
b. Heterogeneous Grading
c. Skipped Grading
d. All of the above
ANSWER: (a) Homogeneous Grading
15) For the two-group grading consisting of 14 trunks, availability = 5, $A_k = 1.4E$ and the required grade
of service of about 0.01, what would be its traffic capacity?
a. 4.98 E
b. 6.72 E
c. 8.3 E
d. 10 E
ANSWER: (a) 4.98 E
16) Which among the following controls the dynamic characteristics of Phase Locked Loop (PLL)?
a. Low Pass Filter
b. High Pass Filter
c. Band Pass Filter
d. Band Stop Filter
ANSWER: (a) Low Pass Filter
17) After the application of line frequency in Phase Locked Loop (PLL), at which stage do/ does the
VCO frequency start to exhibit variation?

a. Free running

b. Capture c. Phase Lock d. All of the above ANSWER: (b) Capture 18) What is an acceptable value of dividing point between the wander and jitter? a. 10 Hz b. 20 Hz c. 50 Hz d. 200 Hz ANSWER:(a) 10 Hz 19) If the voltage controlled by VCO exhibits variation at faster and rapid rate, then the instability of clock is known as a. Clock wander b. Clock jitter c. Clock frequency d. Clock period ANSWER: (b) Clock jitter 20) Which theorem in random jitter specifies the composite effect of various uncorrelated noise sources despite the distribution approaches to Gaussian distribution? a. Initial Value Theorem b. Final Value Theorem c. Central Limit Theorem d. None of the above ANSWER: (c) Central Limit Theorem 21) Which type of data network supports the interconnection of computers within highly populated area? a. LAN b. WAN c. MAN d. None of the above ANSWER: (c) MAN 22) Which among the following is/are supported by LAN? a. PABX b. PSTN c. SBDN d. All of the above ANSWER: (a) PABX 23) If the voice channel is free in PSTN, then what would be the maximum data rate supported by 3.1 kHz bandwidth of voice channel? a. 2000 bps b. 4000 bps c. 6000 bps d. 8000 bps ANSWER: (c) 6000 bps 24) In Phase Shift Keying, how many bit/s is/are allowed to be transmitted per shift? a 1 b. 2 c. 4 d. 8 ANSWER: (b) 2 25) Which among the following utilizes the transmission line upto 85 - 95 %? a. Voice Traffic b. Data Traffic c. Both a and b d. None of the above ANSWER: (a) Voice Traffic

a. At the centre of cell

26) If the system is designed with the usage of hexagonal-shaped cells, how are the base-stations located?

- b. At the edge of cell
- c. At the corner of the cell
- d. All of the above

ANSWER: (d) All of the above

- 27) Which antennas are used at the center of the cells for the system with hexagonal-shaped cells?
- a. Omni-directional antennas
 - b. Sectored directional antennas
 - c. Both a and b
 - d. None of the above
- ANSWER: (a) Omni-directional antennas
- 28) In a cellular telephone system, which type of interference results from imperfect design of filters in receivers by allowing nearby frequencies to enter the receiver?
- a. Co-channel Interference
 - b. Adjacent-channel Interference
 - c. Both a and b
 - d. None of the above

ANSWER: (b) Adjacent-channel Interference

- 29) Which effect is widespread in adjacent-channel interference especially after the reception of a weak signal by a mobile user from the base-station?
- a. Near-far effect
 - b. Doppler's effect
 - c. Capture effect
 - d. Kendall effect

ANSWER: (a) Near-far effect

- 30) Which method of cellular network assists in minimizing the co-channel interference associated with the angle of degree?
- a. Cell Splitting
 - b. Cell Sectoring
 - c. Cell Segmentation & Dualization
 - d. None of the above

ANSWER: (b) Cell Sectoring

- 31) Which type of connection takes place between an incoming trunk and an outgoing trunk?
- a. Local call
 - b. Outgoing call
 - c. Incoming call
 - d. Transit call

ANSWER: (d) Transit call

- 32) In message switching system, an incoming message gets _____ especially if the required route is busy.
- a. lost
- b. stored in a queue & retransmitted
- c. sampled
- d. recovered

ANSWER: (b) stored in a queue & retransmitted

- 33) Which type of switching network involves the establishment of a dedicated path between two stations?
- a. Message Switching
 - b. Packet Switching
 - c. Circuit Switching
 - d. Manual Switching

ANSWER: (c) Circuit Switching

- 34) In packet switching, what does the header of each short size of packet consist of?
- a. Source address
 - b. Destination address
 - c. Intermediate nodes
 - d. All of the above

ANSWER: (d) All of the above

35) In manual switching, which kind of battery exchange has the provision of subscribers set along with

magneto generator?

- a. Local battery exchange
 - b. Central battery exchange
 - c. Both a and b
 - d. None of the above

ANSWER: (a) Local battery exchange

- 36) If a group of trunks is offered 1200 calls during the busy hour & 20 calls are lost along with the average call duration of about 7 min, then what would be the total duration of congestion period?
- a. 21.6 sec
 - b. 42.2 sec
 - c. 57.6 sec
 - d. 98.2 sec

ANSWER: (c) 57.6 sec

- 37) In analyzing the traffic performance, how is the number of trunk decided with the provision of the Grade of Service (GoS) especially for larger group?
- a. By normal load condition
 - b. By overload condition
 - c. By underload condition
 - d. None of the above

ANSWER: (b) By overload condition

- 38) If the queuing systems are connected in tandem configuration, what would be the nature of delay?
- a. Commutative
 - b. Distributive
 - c. Cumulative
 - d. Deductive

ANSWER: (c) Cumulative

- 39) Which type of holding time distribution is assumed for the voice conversation on telephone?
- a. Constant
 - b. Exponential
 - c. Both a and b
 - d. None of the above

ANSWER: (b) Exponential

- 40) Which model of loss system allows the usage of Poisson distribution model for traffic analysis especially by assuming infinite number of users?
- a. Lost Calls Cleared (LCC)
 - b. Lost Calls Returned (LCR)
 - c. Lost Calls Held (LCH)
 - d. None of the above

ANSWER: (a) Lost Calls Cleared (LCC)

- 41) In two-stage network, which phenomenon/situation occurs due to impossible connectivity of given incoming trunk to selected outgoing trunk specifically because of link utilization for other connection between primary and secondary switches?
- a. Bursting
 - b. Blinking
 - c. Blocking
 - d. Burning

ANSWER: (c) Blocking

- 42) Which kind of switching system does not comprise any subscriber, concentrator or expander?
- a. Crossbar
 - b. Director Exchange
 - c. Strowger
 - d. Tandem

ANSWER: (d) Tandem

- 43) By how many times does the time division exchange exhibit connection and disconnection with respect to every millisecond, due to its ability of using rearrangeable networks?
- a. 2
- b. 4

	ELECTRONIC SWITCHING SYSTEM
c. 8	
d. 16	
ANSWER: (c) 8	
	ll-progress signals as they are sent back to inform the caller about
the progress of the call?	
a. Address Signals	
b. Status Signals	
c. Call request Signalsd. Answer Signals	
ANSWER: (b) Status Signals	
	bit/s the necessity of trunks during the signalling mechanism?
a. In channel Signalling	olds the necessity of trunks during the signaturing mechanism:
b. Common Channel Signallir	าด
c. Both a and b	15
d. None of the above	
ANSWER: (a) In channel Signalling	
46) Phase jitter is generated by an add	ditive noise on a sinusoidal wave.
a. continuous	sinve holse on asinusoidai wave.
b. sampled	
c. discrete	
d. distorted	
ANSWER: (a) continuous	
	se stuffing in an asynchronous multiplexing?
a. Removal of slips & the need for close	
b. Usability of output channel	
c. Creation of timing adjustme	
d. All of the above	
ANSWER: (d) All of the above	
	n, which approach indicates the cost burden carrying of highly
accurate and redundant timing	g sources by means of smaller switching nodes?
a. Packetization	· · · · · · · · · · · · · · · · · · ·
b. Master Slave Clocking	
c. Network Wide Pulse Stuffin	ng
d. Plesiochronous Network	
ANSWER: (d) Plesiochronous Networ	·k
	w completion probability, which type of flow control technique is
used for eliminating the captu	re of common resources?
a. Trunk Directionalization	
b. Cancellation of Alternate R	outing
c. Code Blocking	
d. Centralized Connection Co.	
ANSWER: (d) Centralized Connection	
	ng the rate at which the traffic enters a network is known as
a. Flow control	
b. Routing control	
c. Data control	
d. All of the above	
ANSWER: (a) Flow control	
	be adopted as a dedicated path between the source and destination in
circuit switching?	
a. Physical Wire	
b. Radio Link	
c. Co-axial Cable	
d. All of the above	
ANSWER: (d) All of the above	manufacturation for the first transfer to
52) The transfer of user messages fro	m node to another by means of store and forward switching network

is known as _____

ELECTRONIC SWITCHING SYSTEM
jitter
b. scaling
c. hop
d. entity
NSWER: (c) hop
B) Consider the statements given below. Which among them represents the operational step executed in
datagram Packet Switched Network?
Fixed Path is assigned between nodes from source to destination
b. First Come First Serviced basis is applicable
c. Necessity of an identifier for a connection between source host & destination host
d. Transmission of short messages of one or two packet length
NSWER: (d) Transmission of short messages of one or two packet lengths
In Protocol Data Units (PDUs), where do/does the data get/s interchanged?
Between peer entities h. Petween entities of neighbouring layers
b. Between entities of neighbouring layers c. Between 'N' & 'N+1' layers
d. All of the above
NSWER: (a) Between peer entities
b) Which type of framing technique/s reduce/s the problem of synchronization of the receiver?
Character Count
b. Character Stuffing
c. Bit Stuffing
d. All of the above
NSWER: (b) Character Stuffing
6) If a greater number of cells are necessary in the frequency reuse distance, then the segmentation &
dualization techniques get
united
b. divided
c. restricted
d. filtered
NSWER: (a) united NSWER: (a) united Which hand-off stage deals with the relinquishment of unnecessary frequency channels by keeping
the availability for other mobile users?
Initialization
b. Resource Reservation
c. Call Execution
d. Call Completion
NSWER: (d) Call Completion
8) Which among the following represents the flawless hand-off with no perceivable interruption of
service?
Hard hand-off
b. soft hand-off
c. Intracell hand-off
d. Intercell hand-off
NSWER: (b) Soft hand-off
2) In cellular telephone network, which component controls the switching between public wireline
telephone network and the base station of cells for supporting the different calls between landline
to mobile, mobile to landline and mobile to mobile calls? Electronic Switching Centre (ESC)
b. A Cell Controller
c. Radio Transmitter & Receiver
d. A common communication protocols
NSWER: (a) Electronic Switching Centre (ESC)
)) In Electronic Switching Centre (ESC), the transmission rate of X.25 protocol is9.6 Kbps.

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a. Less than

b. Equal toc. Greater than

d. None of the above ANSWER: (c) Greater than