**1) Which among the following can be adopted as a dedicated path between the source and destination in circuit switching?**   
*- Published on 18 Nov 15*

**a.** Physical Wire

**b.** Radio Link

**c.** Co-axial Cable

**d.** All of the above

Answer : all of the above

**2) In manual switching, which kind of battery exchange has the provision of subscribers set along with magneto generator?**   
*- Published on 18 Nov 15*

**a.** Local battery exchange

**b.** Central battery exchange

**c.** Both a and b

**d.** None of the above

answer : (a) local battery exchange

**3) Which type of switching network involves the establishment of a dedicated path between two stations?**   
*- Published on 18 Nov 15*

**a.** Message Switching

**b.** Packet Switching

**c.** Circuit Switching

**d.** Manual Switching

answer: (c ) circuit switching

**4) In message switching system, an incoming message gets \_\_\_\_ especially if the required route is busy.**   
*- Published on 18 Nov 15*

**a.** lost

**b.** stored in a queue & retransmitted

**c.** sampled

**d.** recovered

answer: (B) stored in a queue and retransmitted

**5) In packet switching, what does the header of each short size of packet consist of?**   
*- Published on 18 Nov 15*

**a.** Source address

**b.** Destination address

**c.** Intermediate nodes

**d.** All of the above

answer: d all of the above

**6) Telephone Traffic is measured in**

(A) Seconds.

(B) Hours.

(C) Erlang

(D) Pulses per minute.

Answer c

**7) which model of loss system allows the usage of Poisson distribution model for traffic analysis especially by assuming infinite number of users?**   
*- Published on 18 Nov 15*

**a.** Lost Calls Cleared (LCC)

**b.** Lost Calls Returned (LCR)

**c.** Lost Calls Held (LCH)

**d.** None of the above

answer (a)

**8)  What is the hardware, used to establish connection as an electrical path between inlet and outlet pair in switching system, known as?**   
*- Published on 18 Nov 15*  
**a.** Switching Matrix

**b.** Switching Network

**c.** Both a and b

**d.** None of the above

answer: both a and b

**9) Busy hour traffic is the**

(A) maximum average simultaneous traffic.

(B) traffic during peak hour.

(C) traffic when all subscribers are engaged.

(D) the duration of maximum calls.

Ans: (B)

**10)   In Electronic Switching Centre (ESC), the transmission rate of X.25 protocol is \_\_\_\_9.6 Kbps.**   
*- Published on 18 Nov 15*

**a.** Less than

**b.** Equal to

**c.** Greater than

**d.** None of the above

**answer: c**

**11) Which kind of switching system does not comprise any subscriber, concentrator or expander?**   
*- Published on 18 Nov 15*

**a.** Crossbar

**b.** Director Exchange

**c.** Strowger

**d.** Tandem

answer: d

**12) How is the relation between Erlang and CCS specified?**   
*- Published on 18 Nov 15*

**a.** 1 Erlang = 36 CCS

**b.** 1 Erlang = 56 CCS

**c.** 1 Erlang = 76 CCS

**d.** 1 Erlang = 96 CCS

**answer: a**

**13) in ------------- each packet is treated independently of all others**

a) circuit switching

b) datagram switching

c) frame switching

d) none of the above

**answer: b**

**14) 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**

**15) the situation when both the transmitter and receiver have to work in tandem is refered as**

a) parallel

b)serial

c) synchronous

d) asynchronous

**answer: c**

**16) the-------------- is a circuit switched network, while the -------------- is a packet- switched network**

a) telephone, ATM

b) SONET and FDDI

c) satellite, telephone

d) FDDI and SONET

answer: a

**17) When a switch capacity is full, calls coming into that switch are said to be\_\_\_\_.**

(A) open

(B) shorted

(C) blocked

(D) shunted

Answer: (C )

**18) Busy hour traffic is the**

(A) maximum average simultaneous traffic.

(B) traffic during peak hour.

(C) traffic when all subscribers are engaged.

(D) the duration of maximum calls.

**Answer: (B)**

**19) Example of circuit switching and S&F (Stored and Forward) switching is**

(A) Telephone and Post of Telegraph

(B) Video Signal Post or Telegraph

(C) Digital Signal Post or Telegraph

(D) None of above

**Ans: (A)**

**20)Erlang is used to**

(A) Measure busy period

(B) Give total busy period in minutes

(C) Measure average call rate

(D) Indicate total call period

**Ans: (A)**