ACN-Quiz 3

In SONET, STS-1 level of electrical signalling has the data rate of  
a) 51.84 Mbps  
b) 155.52 Mbps  
c) 466.56 Mbps  
d) none of the mentioned

The path layer of SONET is responsible for the movement of a signal  
a) from its optical source to its optical destination  
b) across a physical line  
c) across a physical section  
d) none of the mentioned

The photonic layer of the SONET is similar to the \_\_\_\_\_ of OSI model.  
a) network layer  
b) data link layer  
c) physical layer  
d) none of the mentioned

In SONET, each synchronous transfer signal STS-n is composed of  
a) 2000 frames  
b) 4000 frames  
c) 8000 frames  
d) 16000 frames

Which one of the following is not true about SONET?  
a) frames of lower rate can be synchronously time-division multiplexed into a higher-rate frame  
b) multiplexing is synchronous TDM  
c) all clocks in the network are locked to a master clock  
d) none of the mentioned

A linear SONET network can be  
a) point-to-point  
b) multi-point  
c) both (a) and (b)  
d) none of the mentioned

Automatic protection switching in linear network is defined at the  
a) line layer  
b) section layer  
c) photonic layer  
d) path layer

A unidirectional path switching ring is a network with  
a) one ring  
b) two rings  
c) three rings  
d) four rings  
View Answer

What is SDH?  
a) SDH is similar standard to SONET developed by ITU-T  
b) synchronous digital hierarchy  
c) both (a) and (b)  
d) none of the mentioned

\_\_\_\_\_\_\_\_\_ is a class-based QoS model designed for IP.

A)             Integrated Services

B)             Differentiated Services

C)             Connectionless

D)             Connection-Oriented

In the \_\_\_\_\_\_ bucket algorithm, bursty chunks are stored in the bucket and sent out at an average rate.

* A)             leaky
* B)             token
* C)             either (a) or (b)
* D)             neither (a) nor (b)

The \_\_\_\_\_\_\_ bucket algorithm allows idle hosts to accumulate credit for the future in the form of tokens.

* A)             leaky
* B)             token
* C)             either (a) or (b)
* D)             neither (a) nor (b)