1. Select the major parameters of Non Linear effects on Network Performance

Effective area , effective length

1. SONET/SDH rings are self-healing rings because

The traffic flowing along a certain path can be switched **automatically** to an alternate or standby path following failure or degradation of link segment.

1. In Broadcast and Select WDM Networks, Single Hop refers to networks where

There will be no EO connection.

1. Choose the correct statements w.r.t SONET/SDH

In SDH , basic rate is 155.52mb/s.

The SONET/SDH standards enable the interconnection of fiber optic transmission equipment from various vendors through multiple-owner trunk networks.

1. Basic structure of an STS-1 SONET frame consists of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

90 columns by 9 rows

1. The transmission bit rate of the basic SONET signal is

51.84 Mbps

7. Find the Throughput per Node (Mbps) in an (p,k) = (3,2) shuffle Net

138

1. Choose the correct statements which "is/are" belongs to Non Linear Effects on Network Performance.

caused by their nonlinear polarization effects

nonlinear variations of the refractive index in a silica fiber which leads Phase is not proportional

1. Find the total number of nodes and wavelengths in an (p,k) = (2,3) shuffle Net

24 and 48

1. ITU-T recommendations values for M in SDH

4,16,64