

to be divided into channels or paths.  
spectrum

[CIT854] \_\_\_\_\_ refers to the ability of the routing algorithm to select the  
optimality

[CIT854] If two streams of data can be transmitted over the link in opposite directions at  
the same time, the link is said to be \_\_\_\_\_  
full-duplex

[CIT854] In case a block of data is too large to transmit, the \_\_\_\_\_ layer splits  
data from the session layer into smaller units.  
transport

[CIT854] The fibre cable consists of an optical fibre, called the core, surrounded by a  
concentric layer of glass, called the \_\_\_\_\_  
cladding

[CIT854] A broadband network refers to one using \_\_\_\_\_ technology to send  
data through the transmission medium.  
frequency division multiplexing (FDM)

[CIT854] The thick ethernet uses additional device called the \_\_\_\_\_  
tranceiver

[CIT854] \_\_\_\_\_ means that nodes are able to detect collisions during data  
transmission.  
Collision Detection

[CIT854] \_\_\_\_\_ is the most expensive cable used in networking, but it is capable  
of higher data rates.  
fibre optic

[CIT854] Signals usually occur \_\_\_\_\_  
asynchronously