***NOTE: Create a logbook in which you will save the results of all your research activities for this unit***

Activity 8:

In today’s lesson we have covered:

* Packet Switched Technologies
* X.25
* Frame Relay
* ATM
* HSDL, SDSL, ADSL, VDSL
* Cable Modems
* VPNs
* Wireless

Student’s tasks:

For X.25

* What is the common name given to the International collection of X.25 providers?
* Find out when frame relay was developed as a replacement for X.25 and who were the key role players

For Frame Relay

* Find out the details of the fields for the PDU for frame relay

For ATM

* Find out the structure of a cell in ATM
* How does ATM relate to SONET?

For xDSL

* Find out what the 3 bands of frequencies are in ADSL for Voice, Upload and Download

For Cable Modems

* What is HFC as used in cable modems?
* What is DOCSIS?

For VPNs

* What is a (L2)MPLS VPN?
* State one advantage of VPNs over leased lines

For Wireless

* What is a BSS and an ESS?