



BOARD OF STUDIES
NEW SOUTH WALES

Question 22

a)

In segment 1 the transmission is radio waves because she is using a mobile phone from her laptop.

In segment 2 the data would also travel through radio waves in mobile towers.

In segment 3 the data is transferred through optical cables because it's traveling to a city exchange.

And in segment 4 they would use telephone lines to connect her to the head so that she can connect to the network.



(b) The Advantages for Jill to use mobile technology is that she can connect faster because she has less cabling to slow her down. Also she could use the phone anywhere any time as long as she has sufficient network status.

(c)