



## Question 22

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### Segment 1

Microwave - It is appropriate because it is used for mobile phones it is wireless & quick

### Segment 2

Twisted Pair - This would be used because it would be running off telegraph poles because the area is across mountains

### Segment 3

Twisted Pair - This would be the same as previous because it has to travel along a distance it's also across rural & suburban areas

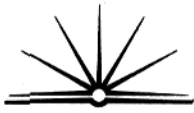
### Segment 4

Coaxial - As it is only a short distance coaxial could be used plus the connection would be underground as well as it is in a city area.



(b) Jill can send & receive information to & from her work at any time of the day or night. With her mobile phone she is able to make and receive calls - at anytime she wishes without having to find a telephone. She can also let the head office know quickly on information of customers & any orders they may place or any questions they may have she can quickly send a msg to the head office & receive a reply within minutes.

(c) If both she & the head office had a data dictionary she would be able to quickly set up a query questioning the relevant information & topic the head office would be able to locate what they need quickly through their copy of the data dictionary's assistance. A data dictionary



would ~~help~~ help jill compose these queries quickly & effeciently by helping her narrow down the problem of the question and help her send referant information in order to ~~receive~~ receive a helpful & useful reply.