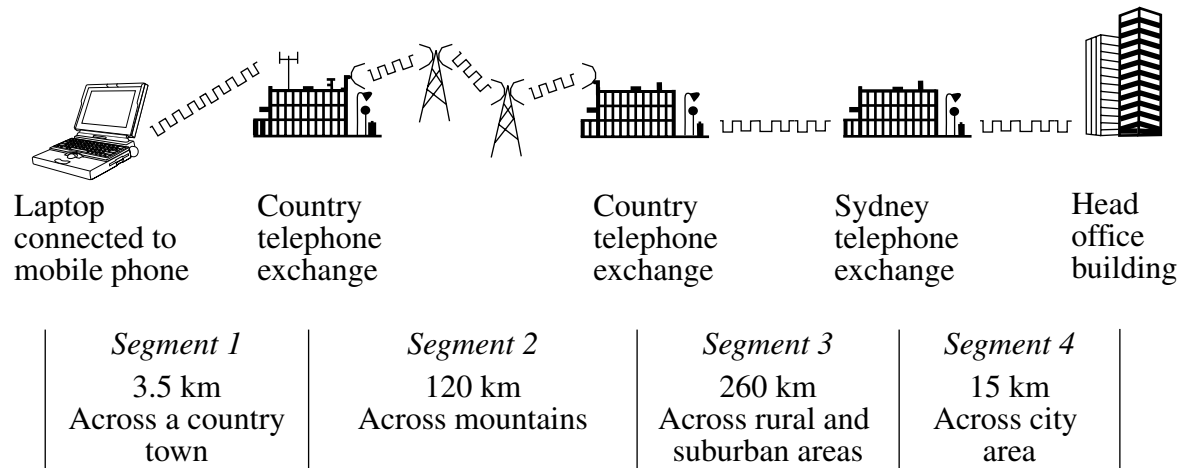


Marks

Question 22 (10 marks) Use a SEPARATE writing booklet.

Jill is a travelling sales representative who sells quality wines to licensed restaurants throughout the state. She often spends a week at a time away from the office, visiting customers. At least once a day Jill logs-on to the head office network to send and receive data. She uses her laptop computer that connects to her mobile phone.

The diagram shows the typical path the data takes through the public telephone network:



- (a) For EACH segment, identify ONE appropriate transmission medium and outline why each one is appropriate. **4**
- (b) Outline the advantages for Jill of using mobile technology to undertake her work. **3**
- (c) The standard system interface cannot always provide the correct information for Jill to answer all customer enquiries. This means that Jill often needs to write SQL queries. **3**

Describe how a copy of the data dictionary would assist her to compose these queries.