The computers in a car showroom are connected in a network with all data being held in a central server. The computers are used by the salesmen, but can also be used by customers to watch videos of the cars that are on offer.

(a) What is meant by a protocol?

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.... [2]

When communicating using a network rules governing the communication are agreed, for example deciding the bit rate to be used in the communication.

(b) Describe **three** other rules that need to be agreed before communication can begin.

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2 ....

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3 ....

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[6]

Online videos are often streamed using User Datagram Protocol (UDP). UDP is a logical protocol.

(i) Describe what is meant by the term 'logical protocol'.

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.... **[3]**

(ii) Explain **one** advantage of layering logical protocols separately from physical protocols.

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.... **[2]**