

# Oxford Revise | OCR Computer Science | Answers

## Chapter 10 Networks

Question	Answer	Extra information	Marks	AO / Specification reference
1	<p><b>Any three from:</b></p> <ul style="list-style-type: none"> <li>Wireless access point</li> <li>Switch</li> <li>Network Interface Card</li> <li>Transmission medium</li> </ul>	<p>Only give <b>three</b> responses for this question because your first three answers will be marked.</p>	<p>1</p> <p>1</p> <p>1</p>	<p>AO1</p> <p>1.3.1</p>

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2	<p>The performance of the network is affected by the number of devices that are connected. More devices require more network resources to manage them, which could slow down the network.</p> <p>The bandwidth available for transmission will affect the network performance because it has a finite capacity that can become congested by large amounts of network traffic, therefore slowing the network.</p>	<p>2 marks for each description up to a maximum of two descriptions.</p> <p>With this type of question, it is better to identify each factor and then say why or how it can affect network performance.</p> <p>The two factors given are those stated in the syllabus, so you are advised to begin with these.</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>AO1/AO2</p> <p>1.3.1</p>

Question	Answer	Extra information	Marks	AO / Specification reference
3	<p><b>Any two benefits from:</b></p> <ul style="list-style-type: none"> <li>Robust – virtually impossible to take down or less likely to fail</li> <li>Easy to add new devices</li> <li>No central point, so many routes through the network</li> <li>It can manage high data volumes.</li> </ul> <p><b>Any two drawbacks from:</b></p> <ul style="list-style-type: none"> <li>Expensive to set up</li> <li>The system is very complex, so it is time consuming to set up</li> <li>There can be latency issues.</li> </ul>	<p>1 mark for each advantage up to a maximum of 2 and 1 mark for each disadvantage up to a maximum of 2.</p> <p>No specific benefits and drawbacks are identified in the syllabus; the answers given are examples of possible answers.</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>AO1</p> <p>1.3.1</p>